

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 25th Year
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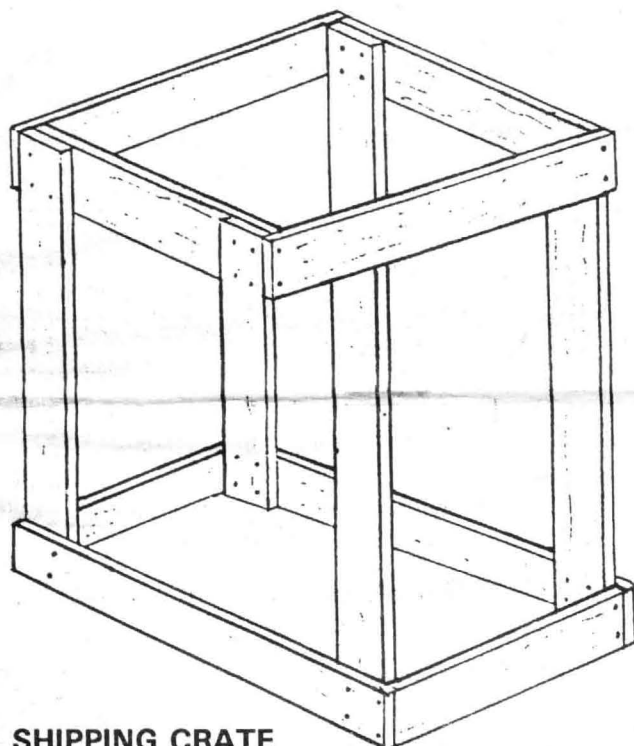
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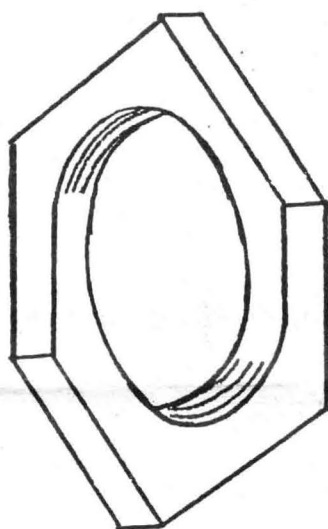
Vol. 25 No. 4 • 292th Consecutive Monthly Issue • Baraboo, Wisconsin • April 1994

April Construction Projects

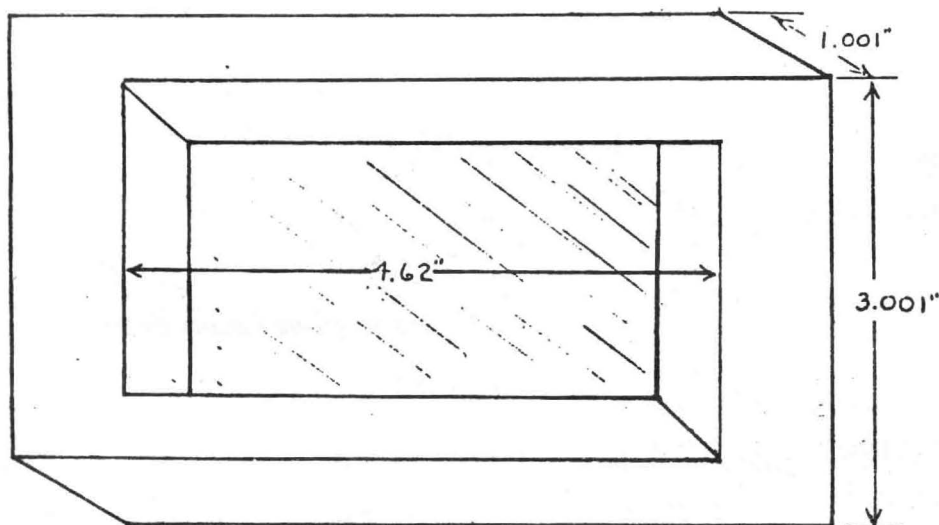
Drawn by Harv Hamer, K9YHO
1109 12th Street, Baraboo, WI 53913



SHIPPING CRATE



NUT WITH AMBIHELICAL THREAD
(Note: Cut with special internal
reciprocal cutting tool)



FRAMUS FRAME

Reprinted from Yellow Thunder Smoke Signals, April, 1971

ARRL, FCC Ink Pact

The ARRL and the Field Operations Bureau (FOB) of the Federal Communications Commission have signed a new agreement concerning the use of amateur volunteers.

The agreement is a revised and expanded version of one entered into in 1984, and spells out the roles of amateurs, as trained and registered Official Observers, as well as the role of the FOB. The volunteers continue to be known as the ARRL Amateur Auxiliary to the Field Operations Bureau ("AA").

While the new agreement continues to place initial information gathering at the local level, i.e., in conjunction with regional FOB offices, it specifies a more centralized system for presenting information to the FOB in cases where enforcement is requested. This will be done between the office of the Chief, FOB, and the League's Washington office.

The new agreement also adds an FOB agreement to protect the identities of Amateur Auxiliary members, to the extent allowed by law, when the FCC institutes an enforcement proceeding involving information provided by the AA.

The FOB also agrees to assist the ARRL in the training of volunteers and in publicizing the objectives and accomplishments of the program.

The new agreement became effective February 26, 1994.

- ARRL Bulletin ARLB024, 3/3/94

"Vanity" Call Sign Plan Comment Deadline Extended

The FCC has granted an ARRL request to extend the comment deadline in its "vanity" call sign proposal, in PR Docket 93-305. The comment deadline was extended to April 21, 1994; the reply comment deadline was extended to May 23, 1994.

The Commission's Notice of Proposed Rule Making was released December 29, 1993, with an original comment deadline of March 7, 1994. The League said more time was needed for response because of the importance of the proposal to

Please turn to page 6

ELMER

By Rich Regent, K9GDF



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WHAT'S HAPPENING

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EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

Swapfests and Other Social Events

SATURDAY, APRIL 9, 1994. Rochester, MN Hamfest, John Adams Junior High School, 1525 31st St., NW, Rochester, MN. Contact: Rochester ARC, Colleen Vaneps, NOZDY, 707 11 1/2 Street SW, Rochester, MN 55902. (507) 280-9102.

SUNDAY, APRIL 10, 1994. 22nd Annual MARA swapfest held at the Dane County Exposition Center Forum Building in Madison, WI. Admission: \$4.00 in advance or \$5.00 at the door. Tables \$10.00 in advance (reserve early as they sell out every year). Contact MARA PO Box 8890, Madison, WI 53708-8890., or call Jim Waldorf, KB9AQQ (608) 249-7579. (see also full ad in last months BSSS)

SUNDAY, APRIL 17, 1994. Rockford, IL Hamfest and Computer Fair. Contact P.O. Box 8465 Rockford, IL 61125 (815) 399-6995.

SUNDAY, MAY 1, 1994. DEKALB Hamfest. Sandwich Fairgrounds, Sandwich, IL. Contact: KARC, PO Box 264, Sycamore, IL 60178.

SUNDAY, MAY 1, 1994. Burlington, IA Hamfest. Contact: Burlington Hamfest "94", c/o N2DUP, PO Box 911, Burlington, IA 52601-0911.

SATURDAY, MAY 7, 1994. Manitowoc, WI. Lakeshore Hamfest and Computer Swapfest. AT Manitowoc County Expo grounds. VE testing, walk-ins welcome. Registration for exams ends at 9:00 a.m. Exams and registration is at Silver Lake College, (near the hamfest on highway 151). Doors open at 8:00 a.m. Admission is \$3.00 at the door or \$2.00 in advance. Contact Red, N9GHE, (414) 684-9097, Ron, WS9X, (414) 793-4733 nights only or write to: ManCoRad Radio Club, PO Box 204, Manitowoc, WI 54221-0204. (See full ad elsewhere this issue.)

SATURDAY, MAY 7, 1994. The Ozaukee Radio

Club will sponsor its Sixteenth Annual Cedarburg Swapfest at the Circle-B Recreation Center, Highway 60 and County I. Contact: ORC Swapfest Chairman, W70 N1018 Hampton Court, Cedarburg, WI 53012. (414) 377-7468. (See full ad elsewhere this issue.)

SUNDAY, MAY 22, 1994. MAYFEST 94, at the DuPage County (IL) Fairgrounds. Contact: G.M.R's. of Illinois, Inc., 2077 West Roosevelt Road, Wheaton, IL 60187. (708) 690-1492.

SATURDAY, JULY 9, 1994. South Milwaukee Swapfest at Oak Creek, WI. Contact: SMARC, P.O. Box 102, South Milwaukee, WI 53172. (414) 762-3235 ext. 58.

SUNDAY, JUNE 12, 1994. Central Wisconsin Radio Amateurs (CWRA) is holding their 17th annual swapfest at the University Center on the University of Wisconsin-Stevens Point campus in Stevens Point, WI. The facility features plenty of well lit, air conditioned space with food and rest rooms on site. Parking is free, and the site is accessible to the handicapped. Tables and Electrical power (limited number of outlets) will be available. Groups and clubs dedicated to Amateur Radio are invited to request space for meetings, reunions, educational seminars, demonstrations, or other ham-related activities. Facilities will be assigned on a first-come, first-served basis. Doors open to the public at 8:00 a.m. with shutdown at 1:30 p.m. ARRL/VBC testing. Contact Art Wysocki, N9BCA, CWRA Swapfest Chairman, 3356 April Lane, Stevens Point, WI 54481. (615) 344-2984.

SUNDAY, JULY 31, 1994. Racine Hamfest, Racine, WI. Contact RMC, PO Box 3, Racine, WI. (414) 554-7565.

SATURDAY, AUGUST 27, 1994. Northwoods Amateur Radio Swapfest, at Sugar Camp Town Hall, 12 miles north of Rhinelander, WI on Highway 17. Contact: Mary Berger, NS9Q, 367 Lois St., Rhinelander, WI 54501. (715) 362-9296.

SEPTEMBER 17-18, 1994. SUPERFEST, Peoria, IL.

SUNDAY, OCTOBER 23, 1994. KMRA Swapfest, Waukesha, WI.

SUNDAY, JANUARY 8, 1995. Midwinter Swapfest sponsored by the West Allis RAC. Contact WARAC, PO Box 1072, Milwaukee, WI 53201.

See also the back page and flyer ads for addition information about many of the above events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebneter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9TX or K9EN.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the March 1994 meetings column for the latest complete listing. The following are additions or changes since that listing.

MILWAUKEE RADIO AMATEURS CLUB

Last Thursday evening, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. Meetings begin at 7:30 pm 12 months of the year.

THE WINNEBAGO AMATEUR RADIO CLUB

(Formerly the Oshkosh Amateur Radio Club)

The Winnebago ARC welcomes all Amateurs and interested persons to join us at the Omro City Hall, on Webster Street. Meetings held the third Sunday each month, weather permitting. Talk in on 147.24 repeater.

For further information contact KB9IME, Dan Lenz, at (414) 233-7145.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

April 2, 1994	River Falls, WI
April 9, 1994	Madison, WI
April 9, 1994	Oak Creek, WI (MRAC)
April 13, 1994	West Allis, WI (MRAC)
April 16, 1994	Green Bay, WI
April 16, 1994	Milwaukee, WI (BE)
April 16, 1994	Eau Claire, WI
April 17, 1994	Rockford, IL (RARA Hamfest)
April 30, 1994	Wauwatosa, WI MRAC
May 7, 1994	Manitowoc, WI (Lakeshore Hamfest)
May 7, 1994	Cedarburg, WI (BE) (Ozaukee Hamfest)
May 14, 1994	Medford, WI
May 14, 1994	Madison, WI
May 14, 1994	Oak Creek, WI (MRAC)

Badger State Smoke Signals

**Amateur Radio
Education and Information**

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TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebneter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the

material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebneter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebneter.

Swapfest information should be sent to Ken Ebneter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. **THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN.** This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

May 18, 1994 West Allis, WI (MRAC)
 May 28, 1994 Wauwatosa, WI (MRAC)
 May 28, 1994 Dubuque, IA
 June 4, 1994 River Falls, WI
 June 11, 1994 Marshfield, WI
 June 11, 1994 Appleton, WI
 June 11, 1994 Madison, WI
 June 11, 1994 Oak Creek, WI (MRAC)
 June 12, 1994 Stevens Point, WI
 (CWRA Swapfest)
 June 15, 1994 West Allis, WI (MRAC)
 June 25, 1994 Wauwatosa, WI (MRAC)
 July 9, 1994 Madison, WI
 July 9, 1994 Oak Creek, WI (MRAC)
 July 9, 1994 South Milwaukee, WI
 (SMARC Hamfest)
 July 20, 1994 West Allis, WI (MRAC)
 July 22, 1994 Eau Claire, WI
 (ECARC Hamfest)
 July 23, 1994 Eau Claire, WI
 (ECARC Hamfest)
 July 30, 1994 Wauwatosa, WI (MRAC)
 August 6, 1994 River Falls, WI
 August 13, 1994 Madison, WI
 August 13, 1994 Oak Creek, WI (MRAC)
 August 17, 1994 West Allis, WI (MRAC)
 August 20, 1994 Dubuque, IA
 August 27, 1994 Wauwatosa, WI (MRAC)
 September 10, 1994 Marshfield, WI
 September 10, 1994 Madison, WI
 September 10, 1994 Oak Creek, WI (MRAC)
 September 17, 1994 Milwaukee, WI (BE)
 September 17, 1994 Appleton, WI
 September 21, 1994 West Allis, WI (MRAC)
 September 24, 1994 Wauwatosa, WI (MRAC)
 October 1, 1994 River Falls, WI
 October 8, 1994 Madison, WI
 October 8, 1994 Oak Creek, WI (MRAC)
 October 15, 1994 Milwaukee, WI (BE)
 October 19, 1994 West Allis, WI (MRAC)
 October 29, 1994 Wauwatosa, WI (MRAC)
 November 5, 1994 Menomonie, WI
 November 6, 1994 Kaukauna, WI
 (Hamfest)
 November 12, 1994 Madison, WI
 November 12, 1994 Oak Creek, WI (MRAC)
 November 16, 1994 West Allis, WI (MRAC)
 November 19, 1994 Milwaukee, WI (BE)
 November 19, 1994 Dubuque, IA
 November 26, 1994 Wauwatosa, WI (MRAC)
 December 3, 1994 Stevens Point, WI
 December 3, 1994 River Falls, WI
 December 10, 1994 Marshfield, WI
 December 10, 1994 Madison, WI
 December 17, 1994 Milwaukee, WI (BE)
 December 21, 1994 West Allis, WI (MRAC)
 Monthly, 1st Sat. Racine, WI
 (except January, July & August)
 Monthly, 2nd Sat. Madison, WI
 Monthly, 2nd Sat. Oak Creek, WI (SWAT/MRAC)
 Monthly, 3rd Wed. West Allis, WI (MRAC)
 Monthly, 3rd Sat. Loves Park, IL
 Monthly, Last Sat. Wauwatosa, WI (MRAC)
 (except December)
 Monthly, Last Sat. Tomahawk, WI
 (January thru October only)
 Quarterly Marshfield, WI
 (Second Saturday every third month.)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

GENERAL RULES

FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.75 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

OAK CREEK, WI (SWAT -MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwatosa Savings and Loan Branch, 6560 S. 27th St., Oak Creek, WI. (MRAC/VEC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Park Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 8:30 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Unless otherwise noted, examinations are administered beginning at 9:00 a.m. to Noon, at WMVS-TV studios, MATC Downtown campus in the C building. The address is 1036 N. 8th Street, Milwaukee. Enter at the North West entrance of C Building. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available now will be FCC General Radio Telephone Commercial exams. Fees are \$5.75 for the Amateur Radio exams and \$35.00 for the commercial exams.

MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.75, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, N29B

EAU CLAIRE, WISCONSIN

April 16, 1994 at St. Olaf Parish School, North Lane, Eau Claire, WI. Please arrive by 11:00 so that we may finish by noon.

July 22 & 23, 1994 at the ECARC Hamfest, Northern Wisconsin State Fairgrounds, Chippewa Falls, WI.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

RIVER FALLS, WI

Exams are held in the church basement, at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WBOKIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

MEDFORD, WI (ARRL/VEC)

Co-sponsored by the Taylor County Area ARC and the Tomahawk Volunteer Examiners. Saturday, May 14, 1994. Testing for all classes, Novice through Extra. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Held in the conference room in the lower level of the Sheriff's Annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. From Hwy. 64 proceed west through the intersection with Hwy. 13, to 2nd st., then south on 2nd St. to the courthouse. From Hwy. 13 at the south city limits, proceed north west on Ogden to the courthouse. Park in the lots on the east or south sides of the courthouse. Watch for the signs. Talk-in on the 147.15 Medford repeater. Walk-ins welcome, however, if you know you'll be attending, it would be appreciated if you call ahead. Contact: Tom Hrdina, N9GEN, 2373 Willow ave., Medford, WI 54451. Phone (715) 748-4054.

GREEN BAY, WI (ARRL/VEC)

April 16, 1994, at the Ashwabenon High School, with registration at 8:00 a.m. and testing at 9:00 a.m. Testing all classes. Walk-ins welcome. Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00 p.m.

KAUKAUNA, WI - SWAPFEST

MANITOWOC, WI, LAKESHORE HAMFEST

RACINE, WI - BIG BOY TOY SHOW

RHINELANDER, WI - NWARC SWAPFEST

STEVENS POINT, WI - CWRA SWAPFEST

WAUKESHA, WI - KMRA SWAPFEST

WAUKESHA, WI - MIDWINTER SWAPFEST

EAU CLAIRE, WI - ECARC HAMFEST

SOUTH MILWAUKEE, WI - SMARC HAMFEST

CEDARBURG, WI - ORC HAMFEST

ROCKFORD, IL - RARC HAMFEST

See the Swapfest column for additional information and contact persons.

(continued on page 15)

Wisconsin Nets Association Ltd.

Art Evans, KA9KLZ, Secretary • 213 North Jefferson • Cuba City, WI 53807

Section Manager's Notes



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

WISCONSIN: SM, Richard R. Regent, K9GDF - ASM: K9FHI. SEC: WB9SMM. STM: K9KSA. OOC: N9CAP. BM: WB9JSW. SGL: W9RYA. PIO: K9ZZ. TC: K9GDF. ACC: K9FHI.

Cedarburg Swapfest Circle-B Recreation Center, Highway 60 and County I, May 7th.

Lakeshore Hamfest and Computerfest at Manitowoc County Expo May 7th with exams available nearby.

Fox Cities ARC officer elections will be held at May 16th meeting.

KA9LXK awarded WAC and WAS.

Exams coming up: May 7 Manitowoc, Racine and Cedarburg; May 14 Madison and Medford; May 18 West Allis; May 28 Wauwatosa.

Would you like to learn more about the Official Observer program or become an OO, contact N9CAP of Milwaukee.

WD9ADB, Technical Specialist, gave program on repeaters at the Rock River RC.

W9YCV puts ham radio aside only when using

Wisconsin Nets

Net	WNA	Freq.	UTC	CST	Mgr.
BWN	Yes	3985	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinolander area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

his new garden rototiller.

Remind your club to start plans for Field Day.

WB9SMM, SEC, promotes packet radio and ATV for emergency communications.

Sorry to report Silent Key K9EVH.

Let me know if you would like a free list of 100 Wisconsin nets.

Thought of the month: *Never speculate on that which can be known for certain.* □

FROM THE

Assistant Section Manager and Affiliated Club Coordinator

Roy A. Pedersen, K9FHI
510 Park Street, Juneau, WI 53039

As Assistant Section Manager and Affiliated Club Coordinator of the Wisconsin Section of the American Radio Relay League, I am requesting club members to check to see if your club is affiliated with the ARRL. If not, why not? There are numerous advantages to being affiliated.

There are also some clubs which had been affiliated, but which have not renewed their affiliation. If you know who is (or was) the president, please ask them to renew. I have renewal forms on hand. Those clubs which have not renewed their affiliation and have changed officers need to have this information forwarded to them. The clubs I am aware of are East High ARC in Madison and the Waupaca ARC.

The Wisconsin nets are running, but they sure could use more checkins and more traffic. They are all fine nets and we are proud of all of them. But, there are blank spots in Wisconsin where there are no outlets for traffic. If you are in one of those areas, please check in and make yourself known. I can let you know where these spots are. All you need do is ask. Please make it a point to check into any of the Wisconsin nets. You are *all* welcome.

Now that the Olympics are over: You don't believe Norwegians are athletic? My cousin Ole was the javelin catcher in the Olympics!

Roy A. Pedersen, K9FHI, ASM/ACC

PUBLIC SERVICE LOG

Ham-Boater Credits Amateur Radio in Gulf of Mexico Storm Rescue

Two men rescued from a sinking boat in the Gulf of Mexico credit Amateur Radio for saving their lives.

On March 2, Larry Hooker, KB5ZNY, of Thaxton, Mississippi, and his sailing partner, Rhett White, were returning from Honduras on Hooker's 45-foot sailing vessel *Off the Hook*, when they ran into an unexpected storm and high seas.

Hooker had been in contact with his friend Randall O'Brian, KD5ZH, of West Point, Mississippi, since hoisting anchor on February 6, on 80, 40, and 20 meters. Hooker had visited his daughter, Tina Hooker, KB5YNN, a missionary with Global Outreach on the northeastern coast of Honduras, in an area accessible only by air or sea.

"Tina's US Novice license allowed her to operate from Honduras," Larry Hooker said. "I was taking her a rig, along with other supplies. Larry, who upgraded to General class about six months ago, was looking forward to regular skeds with his daughter by radio.

Larry's friend Randall O'Brian was his link back to the states. "Larry and I made two radio contacts a day," O'Brian said, "starting out on 75 meters, then on 40 and 20 meters as he got farther out." Hooker arrived at his destination on February 17, and after spending some time with his daughter, began the return trip on February 26.

All went well until March 1. "Larry reported being in bad weather," O'Brian said, "and he was using his radar to pick his way around the most severe thunder-

storms. He had lowered his sails and was under power. The weather forecast had been wrong."

Things began to deteriorate on March 2, when Hooker reported to O'Brian that he was in gale force winds and high seas (20 to 25 feet). "Larry was concerned about having enough fuel to make it back to Mobile, Alabama. We started making a contact every two hours the remainder of the day," O'Brian said.

At 4 p.m., Hooker reported taking on water, the seas still running 20 to 25 feet. O'Brian called the Coast Guard and advised them of Larry's situation, and the Coast Guard started an every-other-hour check on Larry - coming up on Hooker's and O'Brian's regular 75-meter frequency, 3862 kHz.

"At about 5 p.m. Larry reported the situation as very bad, with no improvement in sight," O'Brian said. "This was the last contact that anyone had with him the rest of the night."

O'Brian and other amateurs listening tried all that night to contact *Off the Hook*, as did the Coast Guard. About 5 a.m. on March 3 the Coast Guard in New Orleans called O'Brian to say that their station at Corpus Christi, Texas, had picked up a call from Larry, but they couldn't establish contact with him. They asked O'Brian to try.

"I had a dream that night," O'Brian said, "that I would be able to contact Larry again. And at about 5:30

Please turn to page 9

FCC Telephone Interference Survey Finds Hangups in Many Phones

The FCC has released the results of a telephone interference survey just completed. 35 FCC field offices each picked three random cases of telephone interference on record and then visited the scene. The transmitting stations included 47 Citizens Band; 27 Amateur; 23 AM broadcast; 10 FM broadcast; and one international broadcast station.

At the location experiencing interference, the FCC's Field Operations Bureau personnel would first test the telephones on site, and then test their own "bulletproof" telephones, as well as several commercially available filters. 241 different telephones were tested.

Among the FCC's conclusions was that transmitter power did not seem to be a significant factor; they said that 10 watts or less caused telephone interference in one-third of the cases.

The FCC also said that filters worked only one-third of the time. "Manufacturers can design telephones to be interference free," the Commission said, citing its bulletproof telephones, which were immune from interference "virtually all of the time."

The FCC said that it hopes that the survey will encourage affected parties "to productively address and resolve this problem." If you would like a copy of the survey, which includes a list of telephone models checked, send an SASE with two units of first class postage to the Technical Information Service at ARRL HQ (225 Main Street, Newington, CT 06111)

- ARRL Bulletin ARLB026, 3/14/94

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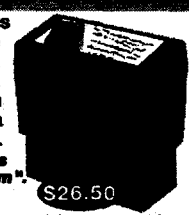
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Foundation for Amateur Radio Announces 1994-1995 Scholarships

Two Wisconsin Clubs Offer Funds

The Foundation for Amateur Radio, Inc., a non-profit organization with headquarters in Washington, D.C., plans to administer 49 scholarships for the academic year 1994-1995 to assist licensed Radio Amateurs. The Foundation, composed of fifty local area Amateur Radio Clubs, fully funds five of these scholarships with the income from grants and its annual Hamfest. The remaining 44 are administered by the Foundation without cost to the various donors.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college, or technical school. The awards range from \$500 to \$2000, with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Clubs are encouraged to announce these opportunities at their meetings, on their nets, during training classes, and in their club newsletters.

The Wisconsin clubs offering scholarships, their amounts, and other requirements are:

The West Allis Radio Amateur Club, Inc. offers three WARAC Memorial Scholarships, which pay \$1000 each. Applicants must hold an Amateur Radio license, be residents of the state of Wisconsin, and plan to attend a school in Wisconsin, pursuing at least an Associate degree.

The South Milwaukee Amateur Radio Club offers four scholarships of \$500 each. Applicants must hold an Amateur Radio license and intend to seek an Associate or baccalaureate degree in Electrical Engineering or technology from a college or university in the U.S. They may reside in Wisconsin, Illinois, or Indiana, with preference given to Wisconsin residents.

Additional information and an application form can be requested by letter or QSL card, postmarked prior to April 30, 1994, from:

FAR Scholarships
6903 Rhode Island Avenue
College Park, Maryland 20740.

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501(c)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary, and educational pursuits that advance the purpose of the Amateur Radio Service.

- From FAR news release



I'm Talking Through a Satellite

By Richard R. Regent, K9GDF
5003 South 26th Street, Milwaukee, WI 53221

Duane Meyer, KX9N of Milwaukee, discovered how much fun the satellites are, especially Russian satellite RS-12. He listens for the satellite on its telemetry beacon frequency of 29.408 MHz and can usually adequately receive RS-12 signals three times in the morning and again in the afternoon as the satellite passes. RS-12 has a circular coverage area, a footprint on the ground, of about 4,500 miles in diameter and whirls around the earth at approximately 14,000 miles per hour.

Duane uses tube-type Drake Twins, a separate receiver and a transmitter which runs 100 watts. For antennas he uses a 10-meter dipole in the attic and a 15-meter vertical, to listen on the frequency range, called passbands, with uplink 29.41 to 29.45 MHz and transmits on downlink 21.21 to 21.25 MHz. Duane points out that these frequency passbands are for Extra Class and Advanced only, "But there is a robot frequency pair uplink 21.129 MHz and downlink 29.454 MHz which, when unoccupied, can be used by General, Technician Plus or Novice class amateurs."

Duane works for the Milwaukee Police Radio Shop on 47th and Vliet, so he is very familiar with radio communications and various electronic equipment, but finds satellite communication something new and well worth trying.

Of course there is doppler shift, a small change in signal frequency as the satellite moves overhead, so Duane adjusts his receiver to track stations. Duane has worked three call areas on CW within the lower 10 kHz of the segments: W4, W8 and W0, but has heard VEs and YS1. He has also tried some SSB, but finds it more difficult right now.

As KX9N completes telling me his rather serious story he says, "The only difficult part of using the RS-12 satellite is that you must talk in Russian." Then he gives me a big smile, it's just a funny joke - or is it?

More information on the RS-12 satellite can be found in *QST*, February, 1994, pages 58-60 and 64. Give satellites a try too; maybe you'll contact Duane!

STS-59/SAREX update

Astronaut-hams Jay Apt, N5QWL, and Linda Godwin, N5RAX, will operate the Shuttle Amateur Radio EXperiment from on board the Space Shuttle Endeavour in April. The nine day mission is scheduled to launch on April 7 at 1207 UTC.

Jay is the first astronaut-ham to fly with the SAREX payload three times. His two previous flights were STS-37 in April, 1991 and STS-47 in September, 1992. Linda also operated SAREX during STS-37.

The mission will carry the Shuttle Radar Laboratory 1 (SRL-1) payload. Radar images generated by the Shuttle Imaging Radar will be used by scientists to help understand some of the processes which affect the earth's environment, such as deforestation in the Amazon, desertification south of the Sahara, and soil-moisture retention in the Midwest.

Jay is the commander of the Blue Shift and will operate the shuttle systems during the "night" shift, while Linda is responsible for overall operation of three large radars in the shuttle's cargo bay during the "day" shift.

Jay has reported that he will be asleep over most US passes, and that Linda will be busy with assigned duties for most daylight US passes, so try to contact the crew on packet over the US if the sun is up. The packet call sign will be W5RRR-1. They will try to operate FM voice when they are not otherwise busy and at night, or when the ground is cloudy. The crew is generally busy taking pictures of the Earth during clear daylight passes.

Jay also indicated that he will try to activate SAREX about 3 hours into the mission. Deactivation will occur at about 8 days, 17 hours after launch, unless they get a one-day science mission extension, in which case it will be deactivated at about 9 days, 17 hours after launch.

The worldwide SAREX downlink frequency is 145.55 MHz. The downlink is the astronauts' transmit frequency. Please do not transmit on this frequency. The worldwide FM packet uplink frequency is 144.49 MHz.

The FM voice uplink frequencies are 144.91, 144.93, 144.95, 144.97 and 144.99 MHz. Earth stations should use these as their transmit frequencies. In Europe, stations should use 144.70, 144.75 and 144.80 MHz.

Send reports and QSL cards to ARRL EAD, STS-59 QSL, 225 Main Street, Newington, CT 06111, USA. Include the following information in your QSL or report: STS-59, date, time in UTC, frequency and mode (FM voice or packet). In addition, you must also include a SASE using a large, business-sized envelope if you wish to receive a card.

The Orange Park Amateur Radio Club in Florida has generously volunteered to manage the cards for this mission.

Thanks to Astronaut Jay Apt, N5QWL, and the SAREX Working Group for the preceding information.

- ARRL Bulletin ARL8013

New RF Exposure Comment Deadline

The FCC has extended the reply comment deadline in its proposal to adopt new standards for exposure to RF radiation.

The Notice of Proposed Rule Making, in ET Docket 93-62, would adopt standards already observed by the American National Standards Institute (ANSI) and the Institute of Electrical and Electronic Engineers (IEEE) in 1992, and is opposed by the ARRL.

Please turn to page 7

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2404

OS? Nope.... OSS

By Buck Williford

AR Chapter, Morse Telegraph Club
RR 1, Box 1115-28, Shell Knob MO 65747

This story is reprinted from Dots and Dashes, the quarterly newspaper of the Morse Telegraph Club, and is taken from the January-February-March 1994 issue. The story is not directly related to Amateur Radio, but the author is a ham who holds the call sign WSLKL. We found the story interesting and intriguing, and we think you find it to be the same.

- BSSS editor

Although this article doesn't deal with railroad, Western Union or other familiar telegraphy, it might be interesting and informative.

During World War II, the government initiated an agency known as the "OSS," or Office of Strategic Services. President Roosevelt selected the late General "Wild Bill" Donovan, who commanded the 69th "Fighting Irish" regiment in World War I, to head OSS.

Strict secrecy was maintained so that the organization was not well known to the general public until after 1945, at which time the name was changed to the CIA. I was a member of OSS, having been recruited by them at Camp Crowder, MO, where I was taking basic training.

Camp Crowder was a large Signal Corps training school which no longer exists. In 1942, OSS sent a representative to Crowder in search of radio operators. A few of us who there had prior experience, both in radio code and American Morse. Three of us were selected and sent to a small, secluded Boy Scout camp about 25 miles from Washington, D.C. Training in demolition, various firearms, commando tactics began.

In the meantime, OSS had been screening and recruiting agents from other countries. They were the men who would later go in behind enemy lines. They were taught radio, sabotage, cryptography, and many other things that would be required of them once behind enemy lines.

After this preliminary training ended, some of us went to the Mediterranean theatre, some to the European theatre, and others to the South Pacific. I went in a convoy of 21 ships to Algiers, in North Africa, where we set up a base radio-telegraph station. Once base stations were adequately set up, the OSS began sending trained foreigners into their respective countries via parachute or submarine, with 25 watt transmitters and equipment they needed for sabotage and demolition.

Agents were sent to France, Germany, Rumania, Czechoslovakia, Yugoslavia, Greece, and Turkey. Each was fluent in his native language and occupied himself in a profession, such as barber, mechanic, teacher, etc., in order to avoid suspicion by the Germans, who were all around them.

At schedule times, they would throw out a length of copper wire into a tree, fire up their small transmitters and start calling us by pre-specified call letters, signing their own.

We were furnished the times and frequencies they would appear on the air, with traffic concerning German installations and troop movements. The information was in 5-letter groups which we turned over to our deciphering department.

The Germans knew this was going on and would do their best to locate them, but most of the time the signals were so weak that the Jerry direction finders could not get a fix on them. So, they would concentrate on our more powerful base stations and come for us, loaded with bombs. As a result, we had to constantly be on the move to avoid bombing and strafing.

As the war progressed and General Rommel left North Africa, we moved on up to Sicily and then into Southern Italy, all the time maintaining radio contact with our agents. Their signals were weak, there was much static and jamming by the Germans, but somehow we managed to copy the text.

Fearful of detection, we tried our best to urge them not to stay on the air too long. Now and then, though, one would insist and twice I was in the midst of copying a coded message when the agent disappeared from the air. Two or three

months later, we learned the Germans had a fix on him, barged into his home, and killed him on sight.

We were in close proximity to the British, who had an agency similar to ours. Some of our information was turned over to the American Air Force and some to the British. They would analyze it and then squadron after squadron of British and American planes could be seen headed north on a mission.

When I was in Algeria, I had a fellow military buddy, C.O. Masterson, who was sent to Corsica. He was a seasoned landline Morse operator who had worked many telegraph circuits, including the building of the railroad across Panama, and was a true "boomer" (drifted frequently from job to job - BSSS ed.), even at his age of 35. He and I devised a system of exchanging our traffic in American Morse, and I'm convinced this confused German monitors very much.

The biggest moment of my life came toward the end of the war in Europe. I was north of Rome and would scan the band at times when I wasn't handling traffic. There was a German operator north of us who was constantly getting confused or lost. Almost daily he called his headquarters post, in plain text, asking for instructions.

We had a crystal that exactly matched his transmitting and receiving frequency. I would call him, imitating the fist of his headquarters operator, and instruct him to proceed to a place where I knew our bombers and heavy artillery were operating. This was all done in plain text; I had spoken German since I was a young kid.

This cat and mouse game went on for quite a while, until the German army collapsed and wanted to throw in the towel. The German operator called me; I answered him and he told me he sought me out because he had finally determined I was the one giving him false instructions. He asked me if I would convey to the proper American top brass that they wanted to arrange for surrender of all their troops in Italy.

I complied: Traffic flew like mad between us and arrangements were made thru Switzerland for a surrender meeting. This occurred on May 8, 1945, and four days later I was on the *Queen Mary*, enroute to New York after three years of these goings-on. It was interesting, but I must admit I was happy to get it behind me and see my son, almost 2 and 1/2 years old, whom I had never laid eyes on.

On one occasion in North Africa, I met "Wild Bill" Donovan. He was a big, freckle-faced Irishman and when he stuck out that big hand to shake hands, it looked like a Virginia ham! He would carry only a .25 rifle going in on an invasion - he was fearless.

Julia Child, a big, tall British woman who has the cooking show on TV, was with OSS, along with other big names. We have several OSS ham radio nets, but the only one I meet with is Thursday mornings, 8 a.m. CST, on 7042, and it's a good turnout. Most of these guys I haven't seen in 45 or 50 years. Another British OSS lady, Ursula, VP2MT, meets with us when she is home on Montserrat. Darned good operator; she runs a keyer at 40 to 45 w.p.m.

When we were released after the war, we were sworn to secrecy for 25 years, hence nothing was written about OSS until that time had passed. We referred to it as the *OH-SO-SECRET* because we were all thoroughly checked out, from the time we were born until they officially signed us in. Now several books giving lots of details about the OSS are available. I have a list of them in case someone is interested. □

The Morse Telegraph Club is not an Amateur Radio subgroup, but exists to perpetuate the "mother tongue" of the telegraph, American Morse. However, the club does operate several Amateur Radio nets, and checkins are welcome in either American Morse or International Morse (radio) code. For more information about the MTC, write to the Morse Telegraph Club, Inc., 12350 West Offner Road, Manhattan, IL 60442.

Oh, yes. That "OS" in the headline means "out of station." When a train departed a station and headed up the rails, the station agent would telegraph the agent at the next station "OSRU," for example. Here, that would indicate that the train has left the station at La Rue. That's a lot shorter than spelling it all out, eh? □

"Vanity" Call Sign Plan Comment Deadline Extended

Continued from front page

amateurs and therefore the need to ensure fairness in whatever system was adopted.

In granting the League's request the FCC said "it is desirable that the record be as complete as possible and that it reflect the views of the amateur community."

An ARRL ad-hoc committee on this proposal includes Directors Steve Mendelsohn, WA2DHF; Frank Butler, W4RH; Tom Comstock, N5TC; John Kanode, N4MM; and Brad Wyatt, K6WR.

Members should address their comments to "Docket 93-305 Committee," and send them to ARRL HQ (225 Main Street, Newington, CT 06111).

More information on the proposal is in February 1994 *QST* on pages 9 and 84-86.

- ARRL Bulletin ARLB023, 3/3/94



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The Computer Corner

By Stan Kaplan, WB9RQR
11541 North Laguna Drive
Mequon, WI 53092-3119

For the 10th in our series, let's consider hard drives. They are somewhat expensive add-on items for the old XT "clunker" you picked up for \$25, but at today's prices for even new units, in the realm of possibility. Large hard drives (500 Mbytes and up) can be purchased for about a buck a megabyte, but I don't recommend spending \$500 for one to put in your \$25 computer. That is too much cash outlay, and you probably don't need all that space. Smaller units, 40 Mbytes, can be purchased new for \$100 at this writing (Oct 93). Used hard drives are even cheaper: a 40 megabyte (40 million byte) unit can be purchased for around twenty bucks. That's 50 cents a megabyte. Pretty cheap when you consider that a high density (1.2 Mbyte) floppy will cost you around half a buck or more. Used drives are plentiful and cheap (as are used computers) because many people are upgrading their home computer hard drive to 100 Mbytes or larger. Is a 40 Mbyte unit big enough for you? If you are using the computer for home and ham use, most certainly! You can put a word processor, YAPP (Yet Another Packet Program, the best Packet Radio program around), a whole bunch of utilities, a few games, and all the necessary DOS files on it and still have well over 30 megabytes of space left. No doubt about it, 40 Mbytes is a lot of space.

What do you need and how do you do it? First of all, any hard drive you wish to install in an XT

must also have a controller card. The controller is a plug-in printed circuit board that does just what its name implies; it controls the hard drive, and presents data taken from it in a format your computer can understand. The controller plugs in to a slot, so you must have at least one unused slot open. Pop the computer's cover and look in to determine this.

Second, if new or used, be sure the drive/controller combination will work with an XT class computer. Some combinations will not - IDE (Integrated Drive Electronics) drives come with a controller that is made for plugging into an AT class (286/386/486) computer. They WILL work with an XT, but you must purchase a special controller card for the job.

If you purchase new, I recommend Hard Drives International (recently acquired by Insight) at 1-800-488-0004. They specialize in hard drives, are extremely knowledgeable and helpful, and they provide superb documentation with their products including a "how to" manual with each drive they sell. Furthermore, their prices are excellent and they will even tell you which drive is the best buy at the moment (they stock products of all major manufacturers). If you call them, be sure you know exactly what type (and brand) of machine the drive is intended for. They will give you good advice on the phone.

If you purchase a used drive/controller unit, the best course of action is to get someone knowledgeable to help you install it and set it up. It is not a difficult job for someone who knows what they are doing, but it can be complex for someone who does not.

By the way, if you have a hard drive you think is broken, don't throw it away. Some repair shops (there are only a few in the country, because it takes a special "clean room" to open and mechanically repair drives) will repair it for you. However,

compare carefully their repair charges with the cost of a new unit. If a new unit is a more cost-effective route for you, some of the repair shops will purchase your old unit for rebuilding purposes.

Some drives that people think are mechanically broken are not; these can be repaired by software manipulation. After attending an Advanced Troubleshooting and Repair seminar a few weeks ago, I rescued 4 such units, just for the practice (hard drive repair is not my profession!). Donate that dead drive to someone who can play with it. Give it to me; if I fix it, I will give it away to someone who can use it. How's that for an offer?

Happy computing. □

Reprinted, by permission, from the ORC Newsletter, Ozaukee Radio Club, P.O. Box 13, Port Washington, Wisconsin 53074 (Ray Meyer, N9PBY, Editor). □

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Here and There

Continued from page 5

The League already has told the FCC that the proceeding should be terminated, and cited a number of reasons, among them that it isn't really an NPRM since it doesn't actually propose to change anything, and that it shouldn't even apply to the average amateur installation.

The League said that those amateurs remotely likely to be affected by new standards are those forced to use indoor antennas because of restrictions against outside installations.

The FCC said it was extending the deadline in response to an industry group, the "Telecommunications Industry Association," who said that more than 1200 pages of comments had been filed with the Commission and that not enough time had been allowed for evaluation of that much material. The FCC said it recognized "the complexity of the issues raised" by its proposal.

The reply comment deadline was extended from February 24, 1994, to April 25, 1994. A full story on the League's comments to the FCC in this matter will appear in April QST.

- ARRL Bulletin ARLB025, 3/4/94



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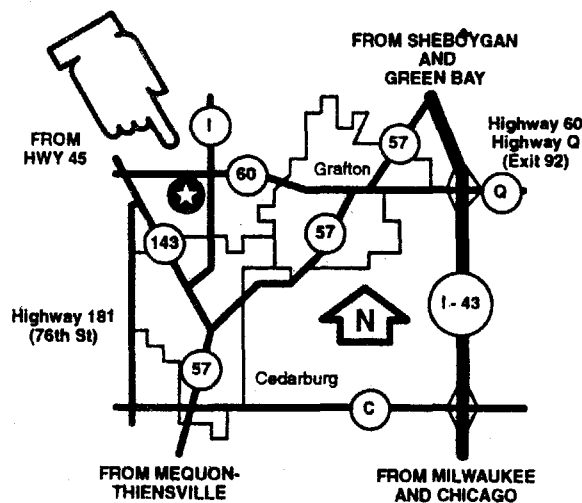
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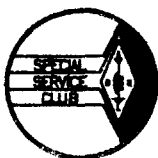
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— advance admission tickets @ \$2.00 (\$3.00 at the door)
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NOTE: All persons entering the swapfest must have an admission ticket.

NAME: _____ CALLSIGN: _____ PHONE: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

Mail with your check and a SELF-ADDRESSED STAMPED (BUSINESS SIZE) ENVELOPE to:
O. R. C. SWAPFEST COMMITTEE — W70 N1018 Hampton Ct. — Cedarburg, WI 53012

Travis Surprises His ♥ Valentine

By Richard Regent, K9GDF

5002 South 26th Street, Milwaukee, WI 53221

Oldtimer Travis Baird, W9VQD of Milwaukee, started planning weeks ahead of time for a surprise 75th birthday party for his wife Marion. To keep things a secret from Marion he would sneakily phone potential guests, tell them the plan and then ask that they call a friend of the Baird's named Jay, with a response.

Unfortunately, the worst storm of the winter drops about a half foot of snow on the evening of the party; we can't safely drive faster than 25 miles per hour - on the freeway. Snow and ice is everywhere, some cars pull off to the side of the road, sometimes in pairs with dents.

Meanwhile, Travis reassures his wife that they still should eat dinner out, goes outside to shovel the driveway - without his boots on. His left shoe comes off, gets wet and he can't get it back on. Marion says, "We're having trouble getting ready with all the snow, are you sure we should go out for dinner tonight?" "Of course," Travis replies, and noticing that Marion was casually dressed, "Could you wear something else? We're going to The Simon House."

Marion still isn't suspecting anything since Travis did promise to take her out for her birthday. But it actually isn't for two more days, on Valentine's Day, and the snow is coming down hard.

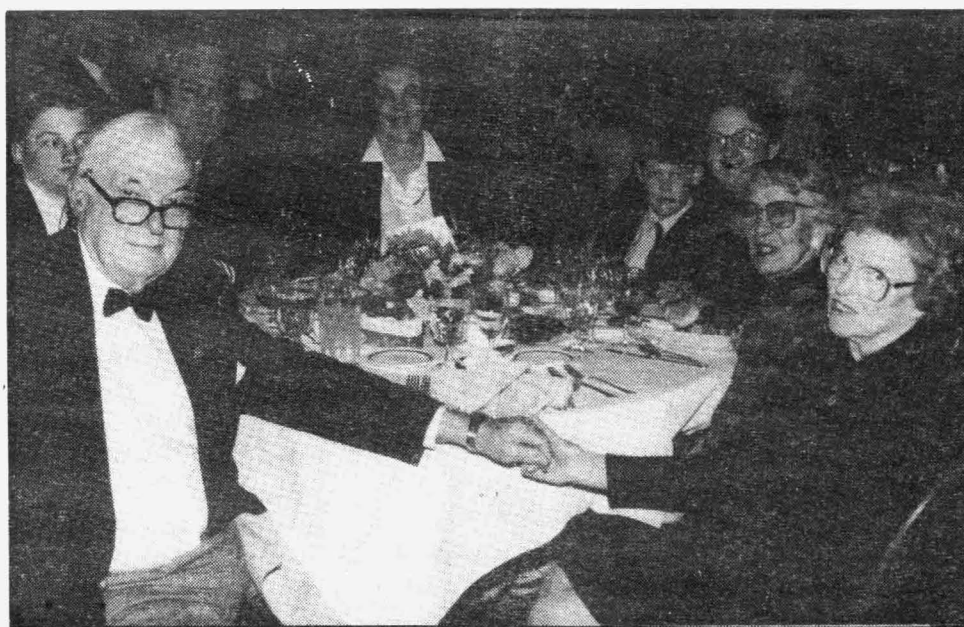
It's about 6 p.m. at The Simon House in Glendale and all except two of the 62 friends and relatives who were invited got through the terrible storm. Guests waiting for the signal, sit at twelve round tables in a beautiful separate dining room. Many of the folks are ham radio friends of the Bairds, who have no trouble with conversations.

"Here they come!" someone shouts. Travis, with red bow tie and blue sport coat opens the door to the dining room, steps in and says to Marion, "Here we are!" Marion, wearing a beautiful red dress and a diamond heart necklace, enters. Everyone in the room immediately stands up, declares "Surprise!" and sings Happy Birthday. It is a surprise for Marion and a teary-eyed event for us all as she teeter totters for a moment, begins recognizing everyone in the room, and then rushes between friends giving out hugs. "I can't believe all these people came in miserable weather - some came more than 80 miles."

The Baird's oldest daughter, Mary Lou, who they had not seen for a year, surprises both Marion and Travis. "I traveled 2,000 miles from California and only had trouble the last 90!" Their other daughter, Betsy from Illinois, is in the group, too.

There is a toast by Mary Lou for another 25 years. Travis says to Marion, "You look as good as when I met you." A son-in-law jests, "But Travis has changed." One person in the ham radio audience hollers, "Let's do this every year....in July!" As conversations continue, W9PWG, with an 8mm video camera, has each of us say Happy Birthday as a remembrance present for the Bairds to relive the evening.

It is nearly 10 p.m., the dining and chatting have been perfect. Two of Travis' friends, with the ease of a shoe horn, finally help him get his shoe on. Travis waited to take care of that detail last because he wanted to make the evening a very special time for his loving Valentine. "Surprise, happy birthday, my Marion." □



At the celebrant's table, Travis Baird, W9VQD (left), holds the hand of Marion (right), the celebrant on the special occasion of Marion's surprise birthday party. Also at the table are relatives and special guests (left to right) Andrew Kenfield Barnes; Stephen Barnes; MaryLou Baird; Peter Travis Barnes; Betsy Barnes; and Inez Kramer.

- Photos by Les Peterson/W9YCV



A table of guests at Travis Baird's (W9VQD) surprise birthday party for his wife, Marion Baird. Left to right: Jack Krause, W9JK; Les Peterson, W9YCV; Bea Krause; ARRL Section Manager Rich Regent, K9GDF; Grace Peterson; and Barb Regent, N9DIJ.

Correspondence

...from our readers



March 18, 1994

To the editor:

The March edition of *Badger State Smoke Signals* was put in our department break room by my boss, Sheriff Robert H. Schulteis. Imagine my surprise and pleasure to see the article devoted to Sherman Carr, W9NGT.

I have known Sherman since 1977, when I started with the Washington County Sheriff's Department as jailer/dispatcher. In 1978, the sheriff at that time assigned me to work with Sherman for two weeks to develop new emergency government procedures for the county. I also worked with Sherman for eight consecutive years at the county fair, where Sherman offered his talents and equipment to establish radio communications between the fair and the sheriff's headquarters. He continued to do this after retiring from his position as Emergency Government Director, on a purely voluntary basis.

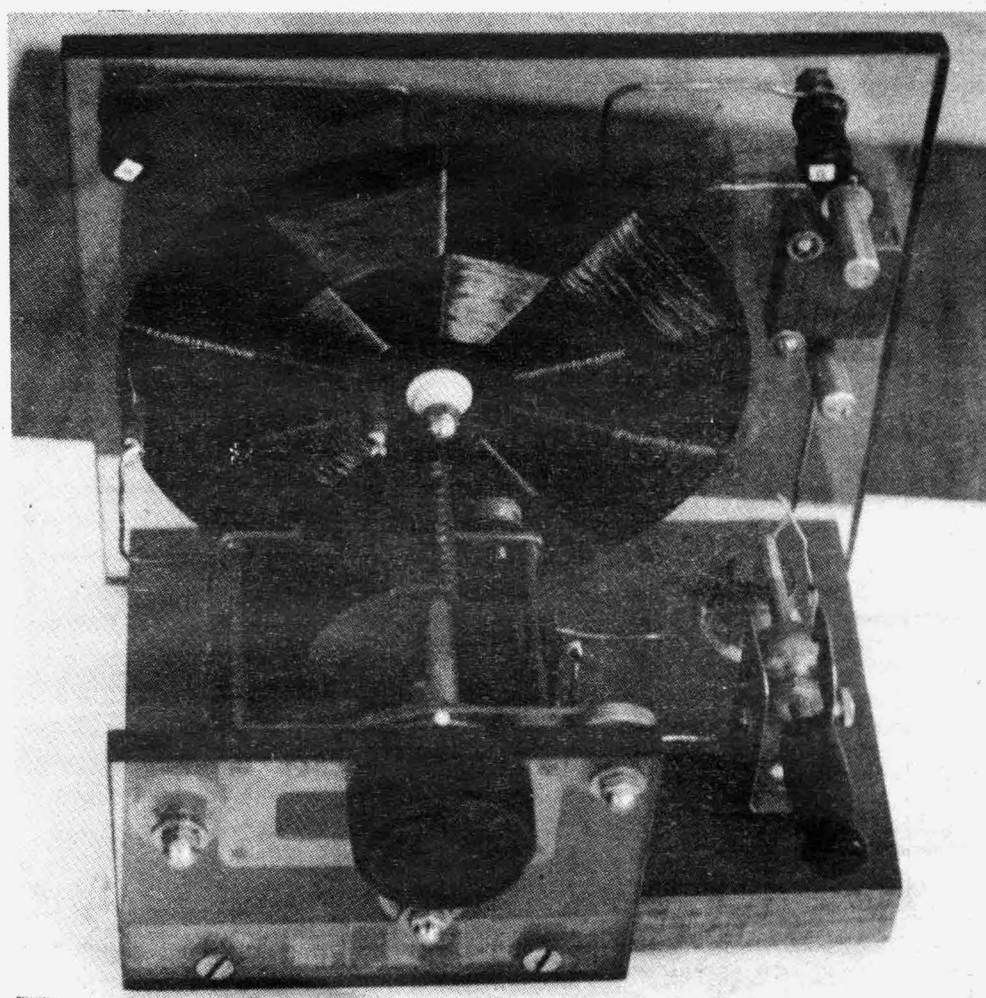
Under various working conditions and deadlines, I have never known Sherman to lose his cool or his patience. He has been, always, a gentleman to work with, and someone dedicated to the safety of Washington County residents and law enforcement officers.

Thanks to Rich Regent, Les Peterson, and your newspaper for recognizing someone who truly deserves the gratitude of thousands of Washington County residents.

Jed M. Dolnick
Lieutenant

Washington County Sheriff's Department

Early Days of Homebrew Revisited



Last month, we published a photo of a Baraboo resident's old/new homebrew broadcast receiver. It is, like the one above, a crystal set. This model has a coil that the builder, Dick Pfaff, calls a "spider web," his own coil design. The radio works very well. He's also built a three-tube regenerative BC receiver; check that one out on page 13 of this issue.

Joyful Tears

When I finally earned my Novice license in 1989, it was after nine months of daily practice, both in code study and theory. Fifteen minutes every day, listening to W1AW. I initially learned the alphabet on a code tape.

While in our basement, listening to our Icom 735, proudly gazing at my license, I began to send "CQ CQ CQ," just as the manual suggests. In short order came a reply. After exchanging the obligatory RST, name, and QTH, we closed the QSO, as I was mentally exhausted! Then, I burst into tears from the stress. I turned to Dave and exclaimed, "I can't believe it really works! He actually understood me."

My first successful QSO, followed shortly thereafter by a QSL card. Now, it's several hundred QSOs later, and growth from 5 WPM to 25 WPM. Life without CW, God, or family would be meaningless.

Many thanks to my husband Dave, WS9T, for pushing me five years ago. And, thanks to the first amateurs who made our radio hobby possible, including the inventor of the paddles!

Maybe he cried when they worked.

- Terry Witt, AA9BA, in the photo at right



Ham Radio Saves Lives in Gulf of Mexico Boat Sinking

Continued from page 4

a.m. I did. He was in an emergency situation, on the verge of sinking. I contacted the Coast Guard and they again came on 3862 kHz and were able to contact Larry."

The Coast Guard dispatched a jet aircraft from New Orleans to drop pumps to *Off the Hook*, which was now about 250 miles southwest of Mobile. The two sailors, although by now exhausted, tried to pump the water out of their boat.

A merchant vessel, the *Turn Arrow*, was only 16 miles away and quickly came to help in the rescue. "We amateurs had radio contact with the Coast Guard in New Orleans all day," O'Brian said, "and were able to get reports from Larry. I was notified by the Coast Guard that their cutter, the *Cushing*, was being dispatched from Mobile, and would reach Larry at 4:30 p.m."

At 5:15 p.m., the Coast Guard reported that *Off the Hook* was under tow and that Hooker and White were bruised and exhausted but otherwise OK.

Off the Hook was towed all night, but sank about 10 a.m. on March 4. They were unable to keep the water pumped out.

During the operation, Hooker's wife, Teresa, who is not a ham, listened to the communications. After the two men were picked up, she told the *Tupelo Daily Journal* "Now that I know he's on his way home, I may get a little sleep tonight, but I'm going to leave the ham radio on."

"Larry and his wife came to visit us on March 6," Randall O'Brian said. "Larry told me 'I wouldn't be alive today if it were not for the efforts of Amateur Radio operators.'"

"The Lord used Amateur Radio operators to save our lives," Hooker said.

- The ARRL Letter, 3/6/94

Mississippi Hams Respond to February Ice Storm

The massive ice storm that hit much of the U.S. on February 10 and 11 was especially damaging in Mississippi, and was the worst there in more than 40 years, according to Hank Downey, K5QNE.

Downey, writing in *The Magnolia Report*, says that the state's Amateur Radio efforts were led by Jim Porter, W5HTV, Director of Communications for the

Mississippi Emergency Management Agency, and Larry Clark, WB5AKR, MEMA's statewide liaison with Amateur Radio. The two "directed traffic," sending amateurs to areas of greatest need.

Several amateurs were able to set up from mobile and portable, emergency-powered sites, and to activate the Magnolia Net, the Mississippi Section phone net. Included among them was net manager Al Sudduth, WA5TPM, who operated mobile after his home antennas came down in the ice.

The Jackson ARC activated W5PFC, their permanent station at the State Headquarters of the American Red Cross in the capital city, to coordinate communication with ARC offices around the state, Downey said.

(More about this emergency appears in *The Magnolia Report*, Jackson, Mississippi, of which Hank Downey is editor.)

- The ARRL Letter, 2/24/94

Astronaut/Ham to Russia

Astronaut Ken Cameron, KB5AWP, has been named Director of Operations-Russia and manager of NASA operational activities at Star City and at the Russian control center at Kaliningrad.

He will work with Russian Space Agency engineers and flight controllers on the US-Russia cooperative space program, including supervising NASA astronaut training at Star City and developing plans and procedures to support joint space shuttle-Russian Mir space station flights and space station development.

He is expected to command one of the early shuttle docking missions with Mir.

Cameron, 44, has flown on two SAREX shuttle flights, STS-37 in 1991 and STS-56 in 1993. Both these shuttles were "all-ham flights."

- ARRL Bulletin ARLS012, 3/8/94

Lakeshore Hamfest

Electronics & Computer Swapfest Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on County Hwy R (Follow signs to Expo Center)

Saturday, May 7, 1994

Doors open at 8 a.m.

Friday night set-up for vendors till 10:00 p.m.

or early Saturday morning (after 6:00 a.m.)

Accommodations for vendor drive-ins

FCC amateur exams

For more information, call

RED (414)-684-3733 evenings

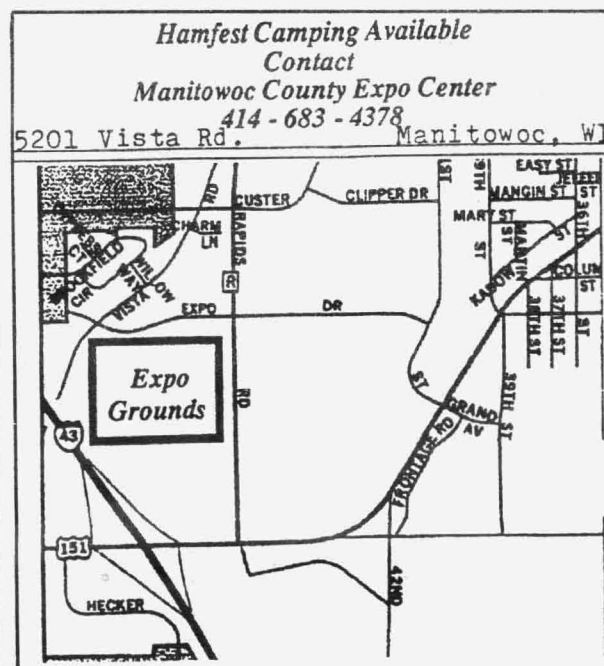
RED (414)-684-9097 days

RON (414)-793-4733

Call - in repeater frequencies

146.61- or 147.03+

FOOD - DOOR PRIZES - BEVERAGES



Send reservations to:
Mancorad Radio Club
P.O. Box 204
Manitowoc, WI 54221-0204

Please include
a SASE!

Name: _____
Street: _____
City: _____ State: _____ Zip: _____

Advance Admissions @ \$2.00 each*
Reserved 8' Tables @ \$3.00 each
Electric Outlets @ \$5.00 each

TOTAL _____

*Admission \$3.00 at the door

EXAMS

Novice	Technician
General	Advanced
Extra	

PARTICIPATING Clubs and Organizations



Riverland Amateur Radio Club

Judy Williams, N9LGV
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



Sheboygan County Amateur Radio Club

Gregg Meschler, N9PZV, Secretary

2309 North 34th Street • Sheboygan, WI 53083

MEETING MINUTES MARCH 1, 1994

The March meeting of the Riverland Amateur Radio Club was called to order by President Feroz, WU9N, at 7:00 p.m. There were 32 members and five guests present.

Judy, N9LGV, read the minutes of the February meeting. Motion to accept the minutes was made by Kent, W9LZQ, and 2nd by Dan, N9PZC. They were approved.

Judy, N9LGV, read the treasurer's report in the absence of the treasurer Mark, N9UNW. The report was accepted.

OLD BUSINESS AND COMMITTEE REPORTS

Remote Receiver: Van, WA9FIO, reported the project was on hold pending the outcome of the 147.97 Repeater situation.

Field Day: Bill, KE9XQ, had not gotten started with much planning. He was still looking for input from members as to the emphasis, contesting, public awareness or both. He was considering having two sites, if there was enough member support.

Program Chair: Feroz, WU9N, is still looking for someone to take on that responsibility for the club.

Swap Fest: Clarence, N9NXW, has tentatively reserved the Am. Legion building for August 27 for the Swap Fest. This is the same location we used in 1993. Clarence will be contacting other clubs and vendors to go get involved in the planning and taking part in the event. The cost for renting the facility is \$175 with a \$50 refund if we clean the building up.

VEC - Rick, KV9U, announced the next test session will be March 31, 1994 at 7:00 p.m. at the Onalaska Community Center. He has asked those interested in taking the exam to reserve a test in advance.

Trailer: Bob, N9LZK, reported the tower trailer is in need of some repair, supplies and equipment. He is looking for donations such as rope and coax. KE9PL, George, is looking into making the necessary repairs, where and how to strengthen the tower in the area it keeps bending. There is enough equipment to set up one good HF station and one packet station. Dick, K0JYB, made a motion that up to \$100 be spent on the supplies and repairs to the tower trailer. Second by Kent, W9LZQ. Motion carried.

Sky Warn: Kent, W9LZQ, announced the Sky Warn and Net Control training will be March 19th at 10:30 a.m. at Cowley Hall on the UW-La Crosse Campus. Kent also reported that the Amateur Radio Sky Warn service was a big factor in the Repeater relocation issue.

440 Repeater: Dan, N9PZC, still has some club caps for sale at \$7.50 each. Walt, AA9AW, displayed two new fund raising items; items would be personalized and have club logo on them, "T" shirts sell for \$13.50 and mugs sell for \$7.50.

Walt will be taking orders following the meeting.

Membership: Kent, W9LZQ, will be sending letters to individuals who have not renewed their club membership, past members and other Hams in the area. Letter may include an annual calendar of events. Kent also reported that TV ads have been reaching interested individuals. Scott, KA9FOX, will continue to FAX information to the media.

P.R.: Dick, K0JYB, has contacted the Tribune about Amateur Radio articles. He will keep the Tribune informed of upcoming events in hopes of getting coverage.

Repeater: Walt, AA9AW, has been in contact with the owners of the repeater location. The club has been granted a new location at the same site. The club will be responsible for the cost of moving the antenna and hardline and the cost of any new equipment and parts. This move will cost a great deal of money but final cost have not been confirmed. A new antenna, possibly dual banded may replace the current one. A motion was made by Walt, AA9AW, and 2nd by Rodger, N9RWU, to authorize the committee to spend a reasonable and necessary amount to move and replace parts at the new site. The motion passed.

Wis. QSO Party - Scott, KA9FOX, reminded members of the date, March 12 and ask for support.

Rick, KV9U, ask if anyone knew of the Onalaska Wireless Association? No one could help him at that time.

610 Form: Rick, KV9U, reported the new form is available and is the only form accepted now. The form is much improved.

Inter Club Picnic - Bob, N0PDD, reported the Winona Club is planning on the event for August 20, 1994 but have not secured the usual facility at Perrot State park as of yet.

WANA - Kent, W9LZQ, reported the next meeting of WANA will be April 16, 1994.

Friendship Application - Jim, N9RWL, has sent for copies of the Friendship Award, they can be picked up following the meeting.

Call Book - Walt, AA9AW, reported that the Call Book data base is now available on the B.B.S.

Newsline - Rick, KV9U, asked if the swap part of the Sunday net could be at 8:00 p.m. rather than at the end due to the uncertainty of when the newsline ended? It was agreed to try it and see how it worked.

Motion for adjournment: Rick, KV9U, second by Bob, N9LZK. Motion passed.

Program Note: At the April club meeting Duane Ring, Jr., regional manager for Century Telephone will be speaking on the further and trends of the telecommunication industry.

Respectfully submitted by:
Judy, N9LGV, Secretary

The March 8, 1994 meeting of the Sheboygan County Amateur Radio Club was called to order by Penny, N9TCF, with 22 in attendance.

ANNOUNCEMENTS

Don De Troye, KE9WO, has radio equipment for sale, call 564-3955.

Board elections are in May.

Francis, Jr., KF9SB, has begun working with Al, NF9R, as assistant emergency coordinator. Thank you for your enthusiasm.

COMMITTEE REPORTS

Volunteers were solicited for 2M net control. The net is held every Monday evening at 7:00 pm local time on 147.060 MHz (+, 107.2 PL).

Field Day Planning: Chris, N9VKC, needs volunteers and support equipment such as Novice station and generators, etc.

OLD BUSINESS

The brat fry at Woodlake Mall is scheduled for August 27.

Future meeting Programs:

April - Weather Service (tentative), May - Field day planning,

June - Field Day final planning,

July meeting will be held at Field Day, June 26th, at Taylor Park.

NEW BUSINESS

Chris, N9VKC, raised the question whether anyone might be interested in a special activity. Specifically, weather balloon launch of Amateur Radio. Contact Chris if you're interested in participating.

Club members in attendance voted unanimously to make \$25.00 donations to Joe, N9REH, and Julian, KR9S, in support of their radio services.

Nominations were made, seconded and passed to honor AL, NF9R, with the coveted "Flat Tube Award," for his service in providing the club repeater. Thank you Al, and congratulations!

The April meeting will start earlier than normal to allow an evening foxhunt. The meeting will start at 6:30 p.m. at the Red Cross Building, 2032 Erie Ave, Sheboygan, WI. The meeting will be short business to allow for an evening of fox hunting. Penny, N9TCF, and Chris, N9TCJ, earned the privilege of hiding the fox. The following rules shall apply:

SHEBOYGAN COUNTY AMATEUR RADIO CLUB FOX HUNT GUIDE- LINES & RULES

1. Boundaries are within Sheboygan city limits, defined as the following: East

boundary: Lake Michigan, North boundary: Eisner Avenue, West boundary: Interstate 43, South boundary: Cty Hwy EE.

2. The fox hunt is a timed, distance hunt, which will begin at approximately 7:00 p.m. local time and will last an hour. The winner will be the hound finding the fox in the least distance. The vehicles of each hound team will have the odometer read before the start of the hunt, and upon finding the fox.

3. The Fox will transmit on 147.450 frequency, transmitting 1 minute on, 4 minutes off.

4. The transmitter will be accessible from the road and must be on public property (which is defined as those areas generally considered to be public such as thoroughfares, municipal parking lots, township parking lots, fire station parking lots), but not interfering with department operations, school house parking lots, and other areas which might be posted as being open to the public. Parking lots of churches and sportsmen's clubs are not considered to be public. Likewise, cemeteries are off limits. The fox may not hide in buildings or otherwise conceal self (should be in plain view from at least one direction).

5. Will occupy an area so as not to pose a hazard to self or others as they travel, in other words, *stay out of the middle of the road!*

6. May not move once in position.

7. Clues may be given if fair master desires. It is suggested that parties carry a separate receiver to pick up clues on the repeater 147.060.

8. Can use any type antennas desired with any polarization desired.

9. Will announce when he has been found and by whom. The referee or fox will make sure all hunters are notified when the hunt is over. Radio check off procedure will be used.

THE HOUNDS:

1. Must announce intentions to participate prior to hunt so others know who is hunting.

2. Must eyeball the fox upon finding him.

3. May not announce they have found the fox. The fox does the announcing.

4. Teams may communicate with each other.

Evening program was presented by Penny, N9TCF, on the Wisconsin QSO party.

Submitted by:
Gregg Meschler, N9PZV

From the Editor

• When sending information to us for anything under the "What's Happening" section, please do not send it to me. That section is edited and prepared for publication by Ken Ebner, K9EN. His name and full address are in the heading for that section.

• This isn't the kind of news anyone likes to hear, but there will be a rate increase for both subscriptions and ads in BSSS. We are just too far in the red, and we'd rather swim than sink. We hope you feel the same way; we want to keep BSSS coming at you every month. K9EN and WB9UQT have even been helping pay some costs out of their own pockets. Under some of the special packages we offer, readers are getting BSSS 12 times a year for between \$1.50 and \$2.00 per year LESS than it costs us to produce the paper. Full information will be published in the May issue.

HAMFEST/SWAPFEST ADVERTISERS

If your club sponsors a hamfest or swapfest, and if it is advertised in a monthly card-size ad here in BSSS, remember that you also get one free display ad as part of the special ad package. We reduce a copy of your flyer and border it to make the display ad. It is essential that you send two good, sharp copies of your flyer to us at LEAST eight weeks before the event's date. Send the flyers to the editor, Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Thanks!

Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

THE RACINE MEGACYCLE CLUB MEETING MARCH 14, 1994

The meeting was started at 7:30 p.m. by President Gary, N9MJH.

Everyone was asked to introduce himself. Thirty Hams were present.

Dave, AA9HL, gave the Treasurer's report which was approved.

The Minutes as printed in the *Badger State Smoke Signals* were approved with minor correction.

OLD BUSINESS

President Gary, N9MJH, talked about the club jackets and caps. Larry, WA9-JMO, is still looking for vendors and prices.

Bob, W0WLN, gave a report on the continuing work on the county tower ordinance which we will try to have amended.

Dan, KA9OIL, brought along a list of the individuals and firms who contributed to the door prizes at the Ham Dinner. The list will be shown in the BSSS. See separate listing.

Dan, KA9OIL, talked about the generator which needs work before next Field Day. There was discussion on selling it or repair it.

There was also talk about the antenna which did not work right. Lloyd, WB9-RGO, said he would have it repaired, it is his antenna.

NEW BUSINESS

Gary, N9MJH, mentioned the emergency exercise coming May 31.

Lloyd, WB9RGO, as ARES coordinator, forwarded a request by Sullivan Weather Center. There is a definite requirement that all reports on weather be done on mobile radios or H.T.s with enough power and that have good outside antennas. Weak H.T.s will not be permitted.

Gene, WB9CKY, has volunteered to help all Hams check their H.T. radios by providing a meter and expertise. Next RACINE MEGACYCLE CLUB MEETING will be used for this testing. Everyone with a questionable radio will get an opportunity. Note: Gene will not repair any radios, only help test them for proper audio.

The Goodie Box was given to Dan, KA9OIL, who appeared not very happy about getting it, heavy as it was thanks to Alex, N9RGX.

The formal part of the Business meeting was adjourned at 8:00 p.m.

The Program for the evening was held by our Treasurer, Dave, AA9HL. Dave has lately been able to receive various types of weatherfax reports with his TNC

HAM CALENDAR Courtesy Racine Megacycle Club

Apr 10	Hamfest at Madison
Apr 11	MEGACYCLE MEETING
Apr 17	Hamfest at Rockford
May 1	Hamfest at Ozauskee
May 1	Hamfest at Sandwich
May 7	Testing at Red Cross
May 7	Hamfest at Cedarburg
May 7	Hamfest at Manitowoc
May 9	MEGACYCLE MEETING
May 15	Hamfest at Peotone
May 22	Hamfest at DuPage
Jun 4	Testing at Red Cross
Jun 12	Hamfest at Stevens Point
Jun 12	Hamfest at Santa Fe
Jun 13	MEGACYCLE MEETING
Jun 14	Testing at Red Cross
Jul 9	Hamfest at Oak Creek
Jul 11	MEGACYCLE MEETING
Jul 23	Hamfest at Eau Claire
Jul 24	Hamfest at Hawthorne
Jul 31	☆ Hamfest Racine!
Aug 8	MEGACYCLE MEETING
Aug 14	or
Aug 21	Picnic QCWA
Aug 27	Hamfest at Sugarcamp
Sep 3	Testing at Red Cross
Sep 11	Hamfest at Joliet
Sep 12	MEGACYCLE MEETING
Sep 17	and
Sep 18	Hamfest at Peoria
Sep 24	and
Sep 25	Hamfest at Grayslake
Oct 1	Testing at Red Cross
Oct 9	Hamfest at Waukesha
Oct 10	MEGACYCLE MEETING
Nov 5	Testing at Red Cross
Nov 6	Hamfest at Milwaukee
Nov 6	Hamfest at Kaukauna
Nov 14	MEGACYCLE MEETING
Dec 3	Testing at Red Cross
Dec 12	MEGACYCLE MEETING

and printer. He has done this using a special software and tuning on the lower bands. A few of many frequencies that broadcast these reports are 10895, 8080 and 3375. Dave also passed around several printouts of the many types of weather faxes being broadcast by the several government agencies. Dave also had to field many questions on this newfound hobby. If you are interested Dave will happy to help you.

Respectfully submitted:
Arne Moxness, KA9ZPY, Club Secretary

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, April 7th at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Streets, Medford, WI. Talk-in on the 147.15 Medford repeater (+600 kHz).

EXCERPTS FROM MINUTES OF MARCH 3, 1994 MEETING

Meeting was called to order by President N9GEN. Present were KE4FE, N9LHY, N9LIE, WA9YCT, N9GEN, KB9BLV, KA9WDX, N9UBQ and N9GHZ.

Minutes of the February 3, 1994 meeting were read by Secretary N9GHZ. Motion by N9LHY, seconded by N9LIE, to accept the minutes as read. Motion carried.

Treasurer's report was presented by Treasurer WA9YCT. There is still an outstanding check made out to the City of Medford as a deposit for use of the city park for last year's Field Day activities. The check is stale-dated and doesn't appear to have been picked up or returned. The club does have the park reserved for Field Day again this year. WA9YCT will check with City Hall on last year's check and issue them a new one for this year's deposit. Motion by N9GHZ, seconded by KB9BLV, to approve the treasurer's report as presented. Motion carried.

Motion by KB9BLV, seconded by N9GEN, to reimburse N9GHZ in the amount of \$2.90 for phone calls made related to club business. Motion carried.

An update was presented on the upcoming club-sponsored VE exam session on May 14th. Due to a scheduling conflict, the location had to be changed from the County Multi-Purpose Building to the Taylor County Courthouse. N9GEN, is still trying to get in contact with someone from the Tomahawk Volunteer Examiners team to arrange for their assistance. N9GHZ passed out copies of a news release on the exams and asked everyone to announce it on the various area 2-meter nets. The information has already been sent to *Badger State Smoke Signals*, the ARRL, and put on area packet BBS

systems.

N9UBQ, Taylor County Emergency Government Coordinator, reminded those present of the upcoming severe weather/tornado spotters training seminar being conducted by the National Weather Service at Medford Senior High School on March 14th. N9GHZ advised that he had recently sent out a mailing on this to all Taylor and Clark County area Amateur Radio operators. He further advised that he had contacted the Clark County Emergency Government Director, and there are no training seminars scheduled for Clark County this year.

N9GHZ stressed the need for more area ham radio operators to volunteer for net control duty for the Wednesday night Taylor County ARES net. The net was not held on at least one occasion in the recent past due to a lack of a volunteer for net control. KB9BLV will take net control duties for March 9 and N9GEN will cover the March 16th net.

A status report on the 147.15 repeater was presented. A muffin fan has been received from KB9HCT and will be installed for use with the new transmitter. Service work needed on the repeater in the near future includes: another check of the system's receive sensitivity; installation of the muffin fan; and reconnection of some missing ground connections.

N9GHZ reported that he had not received any bids for the old repeater hardware. Motion by N9GEN, seconded by N9GHZ, to authorize club members to take the old repeater hardware to swapfests and club auctions and sell it for whatever price it will bring in. Motion carried.

The meeting was adjourned at 8:27 p.m.

CONGRATULATIONS TO...

☆ Tom Sahr, N9MED, Lublin, who recently obtained Eagle Scout status. Tom is the son of Jim Sahr, N9IFA.

☆ The following individuals who were recently named to the Medford High School honor roll:

Second Quarter and First Semester "A" Honor Roll (Freshman) Martin Werner, KB9IQL, Medford;

Second Quarter and First Semester "B" Honor Roll (Freshman) - Jeff Henline, KB9IQK, Medford. KB9IQK is the son of Kurt Henline, KB9IQL.

Eau Claire Amateur Radio Club

J. Brennan Fitzl, N9LIJ, Secretary

1418 Altoona Avenue • Eau Claire, WI 54701

MEETING MINUTES MARCH 8, 1994

Meeting was called to order by president Kevin Zehr (N9OHE) at 1937 local time.

General introductions were made of members and guests present.

Reading of the minutes of the February meeting was waived and the minutes approved, with one exception, as published in the *Badger State Smoke Signals*.

The treasurer's report was presented by treasurer Sue Eide (KB9EUP) and accepted.

OLD BUSINESS

N9OHE has the ARRL training tapes in regards to the search for the "missing" tapes.

Don Rassbach (WD9IUY) passed around the ticket taking sign up sheet in regards to the July hamfest at the Northern Wisconsin State Fairgrounds.

Fred Boetcher (WU9R) informed the club the new repeater cost has been locked in with the manufacturer, and that there is still approximately a 60 day "order filling"

time frame we should plan on if we want to order the repeater to receive and pay for it after the hamfest.

Bill Jablonske (W9NNS) will be drawing up the hamfest flyers in the next month and have them available for distribution prior to the hamfests scheduled in early April.

NEW BUSINESS

Burt Spangler (W9ZZI) asked what programs we would like in the coming months. He proposed a skywarn presentation for April and a presentation on the radio balloon flights being made by hams in the south central section of the state for May. Club members accepted and agreed, and that June and July should be reserved for hamfest preparation.

KB9EUP presented the plates for the club trailer to be affixed prior to its use this year.

Lunch committee for April is N0AKC and WU9R.

Submitted by
Kevin Zehr (N9OHE)
President ECARC

Thank You!

These are individuals and firms that contributed to the 1994 Southeastern Wisconsin Amateur Radio Community Banquet, which was held in Racine in February.

Amateur Electronic Supply
5710 West Good Hope Road
Milwaukee, WI 53223

Racine Commercial Airport
3239 North Green Bay Road
Racine, WI 53404

McDonald's Restaurant
2226 Douglas Avenue
Racine, WI 53402

D. W. Davies
3200 Phillips Avenue
Racine, WI 53403

Racine Metal-Fab Ltd.
2137 Roosevelt Avenue
Racine, WI 53406

Ray and Rita Wolfe
(WB9LST and KB9EDJ)
4929 39th Avenue
Kenosha, WI 53144

Jerome Wilear (KB9BJV)
3309 Chatham Street
Racine, WI 53402

Landmark Title Co.
811 Main Street
Racine, WI 53403

Cruise Commanders
3417 Douglas Avenue
Racine, WI 53402

Athan's Restaurant
2100 Douglas Avenue
Racine, WI 53402

Johnson's Wax
2512 Willow Road
Sturtevant, WI 53177

Radio Recyclers
7730 West National Avenue
West Allis, WI 53214

Bruce Zabler (K9RRS)
1806 Park Avenue
Racine, WI 53403

Marsh Meredith Funeral Home
803 Main Street
Racine, WI 53403

- Yours truly, Dan Miller, KA9OIL



WB9QFW 2-Meter Repeater 146.07.67 and Club Station

P. O. Box 923 • Plover, WI 54467

MEETING MINUTES
MARCH 9, 1994

Club President Art Wysocki (N9BCA) called to order at 19:30.

Treasurer Scott Jasper (NE9U) was absent so his XYL Lori (KA9ZGD) gave the treasurer's report. It is apparent that we will be having some serious financial drains in the upcoming months. Equipment Insurance was just paid, liability insurance is coming up soon, raffle prizes have to be paid out, and the new 985 repeater system is still having problems that it appears is going to cost some \$\$\$ to repair. Thankfully, our two big fund raisers for the year are coming up in June. Our annual swapfest will be held Sunday June 12th at the UWSP University Center. And our club's annual raffle drawing will be held at the same time. Of the two, our raffle has the greatest potential for profit or loss. Every member is asked to sell a minimum of 30 tickets. More would be great!

Mike Pagel (KA9LAQ) gave a report on the repeaters. The new 146.985's receiver apparently is too sensitive for the old duplexers. Additional filtering is going to be necessary. An additional cavity will be added to see if that cures the problem.

Next up was Art (N9BCA) with the swapfest report. Everything is going fine and hopefully we will have another fantastic swapfest!

Lori (KA9ZGD) then gave her raffle report. This year we are having cash prizes. Everyone is asked to sell a minimum of 30 tickets, which should be very easy to do! Sell them to your friends, co-workers etc... The cash prizes should go over well. And don't forget, this is annually our chief fundraiser!!!

Dave Olson (N9JQU) gave his report on the upcoming special olympics. The event is going to be held June 9th-11th at Coleman Field. An organizational meeting is next week and he will have more information for us next month.

Mike Pagel (KA9LAQ) gave a report on Field Day. The rotor that the club bought last year for our Field Day installation was a bunch of junk. Mike opened it up and it was all rust. He says it wouldn't be worth repairing. He recommends using a long mast to bottom of tower and turning beam by hand for Field Day. Art (N9BCA) suggested using a vertical. The club has a bunch of antennas in its inventory. We will have to see what can be done.

There will be (was) a severe weather spotters class at the courthouse on March 16th presented by a meteorologist from the National Weather Service. Relative to this, Jim Benak (KA9ACE) has moved out of Portage County and no longer can be the

county Emergency Coordinator. Anyone interested in taking his place?

Mike Pagel (KA9LAQ) reported that Mike Oswald donated to the club a nice equipment rack for our use. Another one may be coming. Its down in the club station for now.

Frank (W9BCC) reported that he has the new 610 forms if you need one. Also, if you give Frank your license expiration date, he will set you up in his files and send you renewal forms 60-90 days before your expiration date.

Art (N9BCA) read a note from Scott (NE9U) regarding the touch-tone decode board that was attached to the old 985 system. Since the board is no longer needed for that system, Scott has a use for it on the clubs PacketCluster system. The old 8088 computer that runs that system seems to lock up every once in a while. When that happens, someone (usually NE9U, N9ICY or KA9LAQ) has to run down to club station and reset manually. By putting the unused decode board on the system, the computer can be reset remotely. It was voted to put the board on the PacketCluster system.

Lori (KA9ZGD) mentioned that a boy scout troop visited their place last week. Scott (NE9U) gave a demo of ham radio showing them 2 meter repeaters, Morse code, RTTY, Packet, and voice. The scouts were able to talk to two hams in California and one in Oregon. They were very excited when they left and it appears we have four prospects for our Novice/Tech classes in September.

There being no further new business, the meeting was adjourned.

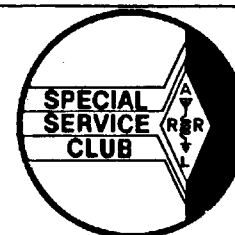
73, Scott, NE9U
CWRA Club Treasurer

ATTENDANCE

Lori Jasper	KA9ZGD
Frank Guth	W9BCC
Dave Olson	N9JQU
Mike Pagel	KA9LAQ
Jim Benak	KA9ACE
Dave Golla	N9OVT
Gordon Miller	KE9IA
Joe Omernik	N9CGV
Jeremiah Maller	N9WBU
Mike Eiden	WD9JID
Gene Kroll	KE9MA
Deb Kroll	N9EIL
Mary Eiden	KA9FAS
Leo Liebl	W9NYS
David Tamres	KB9IIF
Arthur Wysocki	N9BCA
John Kalina	KA9DJA
Michelle Szymkowiak	N9WBH

Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204MINUTES FOR MEETING OF
MARCH 9, 1994

The March meeting was called to order at 7:30 p.m. Dick, N9QFY, started off the meeting, by showing a videotape to the club, about packet radio fundamentals. Club President Steve, N9PBL, then read a thank you letter from Paulette, N9OUH, to the club, for sending a plant, and expressing condolences, about the recent death of her mother. Steve also read a letter that Glen, N9UTU/AA received from Senator Herb Kohl, which thanked him for sending a letter to the Senator, expressing concern about the future of Amateur Radio, and asked for the Senator Kohl's support of the congressional bill that declares Amateur Radio a national resource. The February minutes were approved as published in the February issue of "Smoke Signals."

OLD BUSINESS

President Steve, N9PBL, informed the meeting attendees that the club would be operating from the Point Beach Nuclear Power Plant, on Saturday, March 12, to commemorate Albert Einstein's birthday. The club's call of W9DK would be used, and the special event station would operate from 10 A.M. to 4 p.m. (Postscript: W9DK was one of at least six nuclear power plant special event stations. We operated two stations on 20m phone, and 40m phone. Over 200 QSOs were made, and this secretary, and everyone else who participated, had a good time. It was a successful special event station.)

Janice, N9IQZ informed the club members at the meeting, about the present status of the hamfest. All club members are asked to see if they can find any places to post hamfest information (bulletin boards, etc.), to increase hamfest publicity. The hamfest committee decided to hold a raffle again at this year's hamfest. The club voted to approve money for the raffle prize. Door prizes have already been obtained (a complete Larsen antenna system for this year's fest). Also, volunteers are needed for the hamfest. Please let Red, N9GHE, or Janice, N9IQZ know if you can help.

Steve, N9PBL, informed the club that a letter was sent out to all Manitowoc county hams, asking them if they would be interested in joining MANCORAD. This letter had a description of what the club was all about, and an invitation to non-members to attend a meeting to see if they liked the club. A club roster, and repeater information was also included (as was a hamfest flyer). Thanks to Mary, KB9GOY, Janice, N9IQZ, and Lyle, WB9VTM, for working on the letter.

Club President Steve, N9PBL, informed the club that the club's Form 610's

are now obsolete. Ron, WS9X has ordered the new Form 610s. The club should be receiving them soon.

Rules for the membership activity contest were passed out to club members (those who couldn't attend will be receiving them in the mail). The contest begins in March. The rules were gone over with meeting attendees. Club members are asked to keep a monthly tally of their points on a blank sheet of paper. These should then be submitted to Mary, KB9GOY, at the next monthly club meeting, or sent to the club's mailing address. Much thanks to Mary, KB9GOY, for coming up with the rules, and administering the contest.

NEW BUSINESS

The club discussed obtaining blaze orange vests for special events. These vests might help non-members to find a club member that they might want to ask for assistance at the club's hamfest, and other club events.

The club voted to approve club membership for Tom Shea, KB9IJR. Welcome to MANCORAD, Tom!

The next club meeting is on April 13 at 7:30 p.m. at Associated Manitowoc Bank, on the corner of S. 10th and Franklin Streets.

73, Eric Rugowski, WD9IAB

March 9, 1994 Meeting Attendees

Steve	N9PBL
Janice	N9IQZ
Ron	WS9X
Craig	N9VIC
Oran	N9VIA
Chuck	W9BZU
Lyle	WB9VTM
Bob	KB9INK
Steve	KB9GPN
Vic	KB9VYO
Mary	KB9GOY
Ken	K9HAG
Gene	N9UGA
Jim	N9KKG
Dave	WN9Q
Len	N9QFO
Red	N9GHE
Ron	KB9CEA
John	NZ9Z
Carl	KA9ZTF
Glenn	N9UTU/AA
Dick	N9QFY
Tom	KB9IJR
Mike	N9UFZ
Bill	K9DUX
Paul	N9QFX
Ken	WB9OBX
Mark	N9JZZ
Liana	KB9IUQ
Clancy	KB9ECW
Howard	KE9YD
Mike	AA9AA

equipment in April preparatory to June's Field Day event. Mike, N9NBN, added that this needed equipment would also include operators, antennas, and radios.

Larry, WB9BVB, reported on Saturday, March 12th's, morning breakfast would be at Slinger Inn.

Brian, N9OFD, announced a meeting is held at Hardee's in West Bend on March 24 at 7:00 p.m. to organize a Technician Plus class. Anyone interested, please attend.

Mike, N9NBN, reminded everyone about Homebrew Contest is only 2 months away. He also announced April's meeting will have a presentation from the Red Cross whom Jacki Wicklund, the West Bend director, will be speaking.

NEW BUSINESS

Andy, KB9UE, asked the group, if we could settle on one spot to have our Saturday morning breakfast. Larry, WB9BVB, stated the 5 different places for the breakfasts are rotated at different parts of the county each week so that one time or another one does not have to travel far. He also added that the schedule is found in

his mailbox on packet.

Don, K9GR, reported on a progress report of the repeater committee. He said, "We now have a 60 foot self-standing tower with the understanding from the donor to replace it with a 30 foot tower. Don requested from the club if others have section of tower available, it would be appreciated." We also have a base station donated by Mauri, W9MQD, and some antenna hardline. Two main pieces still needed are a controller and a duplexer. "Keith, KY9P, is investigating the possibility to incorporate the club. Our next repeater committee meeting will be held next Thursday, March 17th."

Gary, W9XT, announced the Wisconsin QSO Party on March 13th starting at noon.

A motion to adjourn the meeting was by Sherm, W9NGT, and seconded by Don, K9GR. The meeting was adjourned.

Saturday Morning Breakfast Schedule

April 9:	Slinger Inn, Slinger
April 16:	Round the Clock, West Bend
April 23:	Jimmies, Jackson
April 30:	Round the Lakes II, Hartford

(Breakfast start at 10:00 a.m.)

Washington County Amateur Radio Club

David Parkinson, KA9RNU,
Secretary/Treasurer
708 Robin Street
West Bend, WI 53095

MEETING MINUTES

The March 10th meeting of the Washington County Amateur Radio Club began at 7:00 p.m. with our program. We had Jeffery Last from the NOAA of Delefield speaking about weather spotting. He focused on tornadoes and the newly installed Doppler radar. Question and answer session followed.

After the program, Mike, N9NBN, called the meeting to order. We had 25 signed attendees: 19 members and 6 guests.

The minutes of last months meeting and the treasurer's report were read and accepted by the membership.

OLD MINUTES

A presentation to Paul, N9KIK, was given by our past president Don, K9GR, for doing an outstanding job as club program planner. Also, Don, K9GR, presented to Mauri, W9MQD, two awards. He presented Mauri a "Participation Award" for attending to 100% of all meetings and the distinguished "Founder's Award" which goes to the recipient who has contributed the most to Amateur Radio and is decided by three of the founders of the club.

Walt, N9LLS, and Field Day chairperson, announced he was meeting with Sherm, W9NGT, to assess the

Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749



Greetings NWRC members and guests.

MINUTES FROM THE JANUARY 24 MEETING

The Jan. 24th meeting of NWRC was held at the T-Bird mall Menomonie. Vice-President Cory, AA9GB, presiding. Balance at the time of meeting was \$93.78.

Old business discussion included the subject of club patches. Arlene, KF9CU, presented some facts obtained from "Creative Ideas" of Menomonie regarding design and cost.

50 patches up to 6 colors @ \$2.95 ea.
100 patches up to 6 colors @ \$1.95 ea.
50 screen prints @ \$1.68 ea.
100 screen prints @ \$1.48 ea.
Above costs do not include shipping, tax and artwork.

I (KA9OMC) mentioned that there are some ARRL accepted vendors who also provide similar services. No decision was made on the patches.

A call for volunteers for the auction was made. Arlene, KF9CU, and Delores Wendt will work the cafeteria. Ernie, W0LUIY; Steve, KA9OMC; Cory, AA9GB, and Bruce, W9QAH, to work auction sales.

NEW BUSINESS

NX9F, Jim, mentioned the March 26 VEC exam in Menomonie as well as the SkyWarn training on the same day. Cory, AA9GB, indicated that there seems to be some interest again at the High School in Menomonie and that Ron, WB9WKO, will most likely be offering some introduction to ham radio in the spring semester science class. I (KA9OMC) informed the members that *Smoke Signals* will be going to a second class mailing soon to speed up or make more even the delivery of the newsletter.

New member N9TTV, Glenn Thompson, attended the meeting. Glenn resides at Cedar Falls and works in the library science at UW Eau Claire. Welcome, Glenn.

Ken Reetz, KA9PVY, from Fall Creek, indicated that he really learned a great deal from our program on grounding, and that the club should try to

pursue some additional technical subjects and programs like that.

Cory, AA9GB, gave the group a follow up on his dad's progress. Bruce has been ill most of the winter, but recovering nicely and will be back to work soon. The club also discussed a possible recess for summer months.

RESULTS OF THE ANNUAL CLUB AUCTION FEBRUARY 22

It appears that the club auction was again a big success from the stand point of bringing people together to have fun. 93 people attended the auction. Amateurs attended from as far away as White Bear Lake, MN, Milwaukee, Wisconsin Rapids, Wausau, Pine City, and Austion, Minnesota. Attendance was up from last year by 15.

Equipment offered this year was the best on balance. There were a half dozen HF stations in good shape as well as the ever-popular junk for those fun projects.

A special door prize of a cardboard replica of a GPR-90 was presented to W5NKY, Ken Fosgate, of Minong. Special thanks to Ken for his North Star Traders Net forum, as well as the Eau Claire Amateur Radio Club, St. Croix Valley Radio Amateurs and the Red Cedar Repeater Association for making announcements regarding the auction.

Our appreciation extends to Rich and Jo, N9MEH and N9MEI, from "Riches Surplus" of Stanley for presenting the club with \$40 worth of certificates as door prizes. Thanks also to W0LUIY, Ernie, and Delores Wendt of Rice Lake for bringing a box of pens from the bank to give away. Our gratitude to Arlene, KF9CU, and Delores for keeping our coffee cups full. To Bruce, W9QAH, and Ernie, W0LOY, our allegiance on the best yet job done on auctioneering. Thanks to the *Smoke Signals* team for a great job advertising the event.

Balance going into March 22 meeting is \$408.31.

Next meeting of NWRC is scheduled for April 26 at the Peppermill Restaurant in the T-Bird Mall, Menomonie. Meeting time is 7:30.

NWRC Secretary/Treasurer
KA9OMC, Steve Hart
Rt. 1 Box 54, Knapp, WI 54749

Quarter Century Wireless Association Southern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Racine, WI 53402



Our Chapter's 7th Anniversary will be celebrated on the 17th of April, 2 p.m. at the Apple Holler Restaurant, 5006 S. Sylvania Avenue (I-94 & HWY KR) in Sturtevant with a sit-down meal. Details will follow via our traditional Post Card; and the history files will be on display.

The Southeastern Wisconsin Ham Banquet held on the 26th of February was great. I believe everyone had a wonderful time. The food was good, the music excellent, the awards outstanding and the MC long-winded. Our congratulations to Dave Voss, WB9USI, on his selection as the Ham of the Year - a most deserving individual. We had a record attendance: 95 Hams and their guests pre-registered. The Racine Yacht Club was filled to capacity. Results of the questionnaire that 44 attendees returned to the committee will be discussed at the regular meetings of the supporting clubs.

Chapter 162 will again this year work with 150 5th grade students from Racine's Gifford Elementary School at Phantom Ranch in Mukwonago. The students rotate 45 minute classes of horseback riding, canoeing, various handicrafts, Amateur Radio, etc. Last year our club set up four stations for the youngsters: packet radio, code practice oscillators, two-meters, and HF. Each student received a certificate from the chapter that said they talked on Ham Radio and several handouts that ARRL provided. We had a ball and are looking forward to this year's event. It will be held from noon Wednesday, May 25 to noon Friday, May 27, 1994. Bob Jensen, W0WLN, and I are co-chairing the Ham portion of this event. If you would like to join us, contact either Bob or I for further details. Last year, the host school offered us the opportunity of spending the night at the campgrounds. But, the thought of staying in the middle of nowhere with

150 fifth grade students had zero appeal. However, if you join us and would like to stay in that environment, I am sure the school will accommodate you.

Our Secretary-Treasurer, Bob Jensen, W0WLN, was asked to address several seventh grade English classes of Racine's Gilmore Middle School last month. It seems that the classes had been reading a book about a British Fighter Pilot that had been shot down and captured during World War Two. Discussions that followed involved wondering what it had been like to be a prisoner of war: how would they have been treated, what did they eat, how did they survive, were questions that jumped to the forefront. Their teacher, Cheryl Miller, WS9P, said she knew of someone that might be able to answer all their questions on the subject.

Dressed in the Air Force uniform that he wore for his 1963 retirement, Major Robert Jensen talked to the three seventh grade English students about his experiences with the aid of several overhead slides that he drew of the barracks, room and views observed from the POW camp he was kept in. Bob was able to paint a very vivid picture of that life. The students were very interested in the food that they ate, wrinkled their noses when told that horsemeat was served at some meals, and amazed that they had to eat "Spam" everyday. The students' attentions were riveted to Bob as he explained in detail the different methods employed by the POWs in their attempts to escape. Tunneling, however, was the activity they found most fascinating. In attempting to hide the evidence of bags concealed inside their trousers. Bob, flying a P-38 "Lightening" aircraft, was shot down on November 13, 1943 and imprisoned for a year and a half.

73, Larry McCalvy, WA9JMO

K9WRQ: Gone, but not Forgotten

Whales, Rabbits and Quails

Lawn Ruts

The earliest days of two-meter FM here in the Baraboo-Portage area were more than interesting. There were no repeaters, and we all used converted commercial equipment, with Motorola generally being the preferred brand. A lot of General Electric rigs also were used. The Motorolas first used were called "turkey roasters," because that's what they resembled. The transmitter and receiver were in two separate boxes and looked like they belonged in a kitchen for cooking chores.

Two-meter FM quickly became the rage, and a source of rage to some hams here, too. To say we (yes, including myself) were an unruly bunch would be more than an understatement. Bob Gilson, K9WRQ (Whales, Rabbits and Quails), of Portage, a Silent Key since around 1980, joined us on this new mode and quickly gained a reputation as a fun feller and a practical joker.

Bob was proud of his lawn. Hey, that presented a challenge to me! I told Bob I was going to drive on his lawn. He told me that if I ever did, he'd get his shotgun and give us what for.

It must have been quite a sight that night to anyone watching the events which unfolded at his home, very rapid events at that. I, with Bob Prine, K9ODK, (a Silent Key since 1974) and one other ham were riding with me. I slowly drove onto his lawn, right up to the front door. I said to Bob on 2 meters, "Hey, Bob, I'm on your lawn." The next thing we saw was Bob, as he opened his door and started to uncase his shotgun. He wasn't kidding! He couldn't get the gun out of its case and ripped it apart. By that time his wife, Barb, was nearly rolling on the floor in

uncontrollable laughter as she watched a frustrated K9WRQ desperately trying to get that gun uncased. At the same time, we were very rapidly departing the lawn, leaving behind what must have been six-inch-deep ruts.

I have no doubt that had he managed to get that gun uncased, lead would have been flying and I *definitely* had no interest in verifying that. I never drove on his lawn again, either.

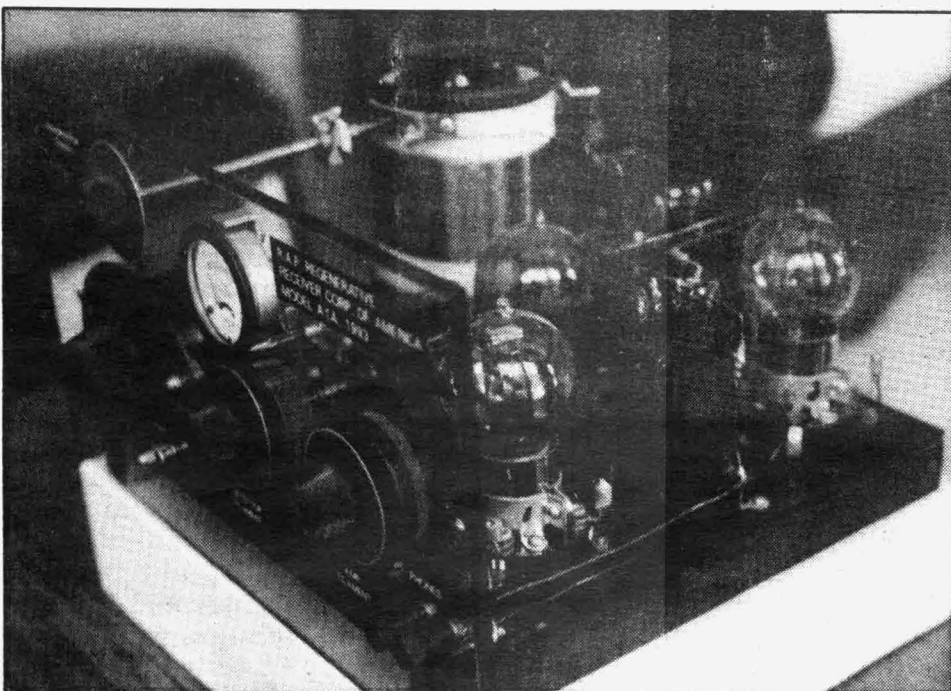
The Unipole

Then, there was the infamous "unipole" practical (impractical to the fellow on the receiving end) joke. Bob was using a good antenna on a tower. An unsuspecting, new amateur in North Freedom was using a quarter-wavelength of wire (about 19") stick in the PL-259 on his turkey roaster. His signal was good in Portage (full quieting), about 20 air miles away, but Bob had an idea. He told the North Freedom operator his signal wasn't very good, and that he should make his antenna into a unipole. So, the North Freedom op dutifully followed Bob's instructions to begin bending that wire into a slight "U" shape. His signal promptly got weaker. The bending and weakening went on for about ten minutes. When the North Freedom op's signal had gone from very good to extremely noisy (nearly inaudible), Bob told him, "That's perfect! Great signal!" I don't remember if we ever heard the North Freedom station again at all after that. I think he did realize he had been had and straightened out his problem.

Bob surely was one of the most colorful characters to ever be a ham. Some day, we'll tell you more.

- Jim Romelfanger, K9ZZ

Regenerative Radio Works Great



Here's a regenerative receiver built by Baraboo resident Dick Pfaff. It uses three very old tubes (he's not certain of the type), and has a regenerative detector followed by two stages of audio amplification. A regenerative receiver uses a detector with deliberately induced feedback which increases stage gain. For AM reception, the detector is operated just below the point of oscillation. If stage gain is taken just into oscillation, the receiver will detect CW signals. Dick's hobby is building radios of very early design. He needs a 30Ω rheostat for this model to provide proper filament voltage control. He can be contacted at E11230A Carpenter Street, Baraboo, WI 53913, or called at (608) 356-5559.



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Heilmann, N9LLT
921 8th Avenue • Grafton, WI 53024

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

APRS demo at Madison swapfest

To all southern Wisconsin APRS experimenters:

I will be setting up an APRS demo at the Madison swapfest on the morning of April 10. Kent, W9LZQ, will be driving in from LaCrosse running mobile APRS with a GPS receiver. We are looking for digipeaters who will be available for relaying LZQ's position into Madison.

A question arises about which frequency to use. Some stations are running APRS on 145.03, the BBS-free frequency. A few are on 145.07. A third possibility, 145.79, which has been allocated to APRS by WAPR, is in use for APRS networks in other parts of the country, but a concern has been raised about possible QRM to the satellite sub-band above 145.800. My preference would be to use 145.79 for APRS practice, since it is a quiet frequency.

Anyway, for the April 10 test, 145.07 will probably be the frequency of choice. If your TNC will be up and running that morning, please let me know. If you could set your alias to RELAY, that may help for generic digipeating.

Please leave any messages on the WD9ESU BBS.

-73- WJ9H/Madison

DID YOU TELL THE FCC YOU MOVED???

I recently had a fairly large percentage of QSL cards returned to me with the U.S. Postal Service notice stamped across the envelope "FORWARDING TIME EXPIRED". When I checked the latest callsign database again the same addresses came up often with 5 or more years left on the license. The problem here is that many of us forget to notify the FCC of our address change (read the rules you are supposed to) and worst yet the U.S. Postal service isn't what it used to be; they stop forwarding your mail after a year or so!!! So if you're wondering why nobody QSLs you, Think back to the last time you changed QTH's; DID YOU LET THE FCC KNOW!

Dan Whelan - WB2WHD FN-22VR

ARL028 FCC CALL SIGN UPDATE

QST DE WIAW
ARRL Bulletin 28 ARL028
From ARRL Headquarters
Newington CT March 24, 1994
To all radio amateurs

ARL028 FCC CALL SIGN UPDATE

The following is a list of the FCC'S most recently issued call signs as of March 1.

	EXTRA	ADVANCED	TECH/GEN	NOVICE
0	AA0QI	KG0LO	++	KB0LYV
1	AA1IV	KD1TZ	N1RMF	KB1BGS
2	AA2RH	KF2UA	N2YBR	KB2QXD
3	AA3HG	KE3MC	N3RPA	KB3BBC
4	AD4QG	KR4NY	++	KE4KAL
5	AB5TB	KJ5VI	++	KC5FON
6	AC6AP	KN6YT	++	KE6FTE
7	AB7BL	KI7WH	++	KC7BDO
8	AA8OI	KG8HH	++	KB8RSM
9	AA9KI	KF9UM	N9WHC	KB9IXF
HAWAII	++	AH6NF	WH6SV	WH6CRD
ALASKA	++	AL7PO	WL7QW	WL7CHL
VIRGIN IS.	WP2G	KP2CC	NP2HG	WP2AHU
PUERTO RICO	++	KP4WM	++	WP4MNV

++All call signs in this group have been issued in this area.

MSYS COMMANDS from WD9ESU BBS

List List is used to give you the headers of the messages. Used alone, it will list all messages since you last logged off with the Bye command. The PBBS has a function to force all personal messages to end up as private messages. If this is on, any message sent except bulletins are changed to private.

L ----- List since last logged off with B.
L catagory - List for a single catagory.
LC ----- List categories (TO fields).
LM ----- List mine, messages addressed to you.
LN ----- Lists messages not yet read.
LT ----- Lists NTS traffic messages.
LL ----- List the last message entered
LL # ----- Last # messages.
LO yymmdd -- List OLDER than yymmdd.
LU ----- Lists unread messages to you.
LY ----- Lists messages that have been read
LW ----- Lists weather messages (type W\$).
L< call ---- Lists messages from call (or alias).
L> call ---- Lists messages to call (or alias).
L@ call ---- Lists messages with call as an @BBS.
L x ----- Lists messages since a given number. To see them all, use L 0.
L x y ----- List numbers between numbers x and y.
L"string" - Lists messages with the character string you specify in the title. The quote marks are required. This is case insensitive, "Yaesu" will match "YAESU", "yaesu", etc.
L'string' - Lists messages with the character string you specify in the title. The single quote marks are required. This is case sensitive, "Yaesu" will not match "yaesu".
L\$ Lists type \$, list bulletins.

Read - This is used to read messages on the board. Many messages may be strung together: R 1 45 68. Wildcards are supported: R> DX* will read anything starting with "DX".

R@ call - Read messages having a certain @BBS.
R> xxxx - Read messages to xxxx TO field.
R< xxxx - Read messages from xxxx in FROM field.
R cat --- Reads all messages in catagory.

RE ----- The read for export. This reads the message in a format where it can then be easily uploaded into a PBBS or mail drop.

RH ----- The read with headers. This shows the forwarding headers that are added at each PBBS as the message is sent. The routes are not the same at all times and it can be fun to see how a message got from tither to yon. If a message author did not give the home PBBS for a return reply, use this to determine where the message originated. Normally, that PBBS can be tried

for a response.

RN ----- This reads only the text of the message and is a good way to save time on a marginal path.

RM ----- Reads unread messages addressed to you.

RP ----- Reads a message without marking it as having been read so it will be listed the next time you check in.

Send - This is used to send a message. The basic format is Sx call @PBBS. Sx is a send with the type of message it is. The @PBBS is the location where the addressee picks up their mail. Call is the exact callsign of the recipient. If you make a mistake on the addressee's call, the message will probably end up in limbo, never to be received.

(control-A) -- Aborts the message; to start over.

CC callsign -- This causes a copy of a message to be sent to the calls following the carbon copy command. The CALLSIGN can take the form CALLSIGN1@PBBS;CALLSIGN2@PBBS etc. to send the same message to many users.

REPLY # -- Allows the PBBS to automatically address a message replying to another message. If you add a period after the message number, like this: "REPLY #.", the PBBS will also automatically enter a title for you.

SP ---- A personal message listed or read by addressee and author.

SR # -- Allows the PBBS to automatically address a message replying to another message. If you add a period after the messagenumber, like this: "REPLY #.", the PBBS will also automatically enter a title for you.

ST ---- NTS Traffic. Most boards have a help file -- READ IT!

SB ---- Send a bulletin. Without an @PBBS, these will stay on your PBBS and may be addressed in whatever way you wish. For example, in northern Ohio, when sending a bulletin, the @PBBS field may be set to the following:

WW -- To quote Jim, WK8G, messages addressed to ALLBBS are, "intergalactic, omnipresent, transuniversal All Points Bulletins"! This message would go to every PBBS in the world. PLEASE USE THIS WITH CAUTION. The packet network in Guam does not want to know about your wattmeter for sale!. Some areas use WW.

ALLUS - This would go to every PBBS in the U.S. USE WITH CAUTION as your for sale would normally NOT be in the proper forum if sent in this manner!

OKIPN - (Or your wide area flood route) Ohio, Kentucky and Indiana. Again, a message to NEOH or ALLOH is better!

ALLOH - All Ohio (or ALLMI, ALLHI, etc.).

NEOH - (Or your local area flood route)
Northeast Ohio. This is the best
routing for the "for sale" messages.

PBBSCALL - For all at a PBBS.

THE TEST POINT

(continued from page 3)

GREAT RIVER AMATEUR RADIO CLUB DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on May
28, Aug, 20 and Nov, 19 in 1994.

The Great River Amateur Radio Club VEs are
now field stocked, which means retests can be
given immediately.

Exams are held at 9:00 am at the Central
Fire Station, 9th and Central in Dubuque. Use
the basement entrance on 9th street. For more
info, contact Carl Clark, NOKAX, 145 Delicia
Drive, Dubuque, IA 52001. Or call Carl at 319-
557-9149. Talk-ins are on the 147.84/24,
147.63/03 and 146.295/895 repeaters.

Contact: Arthur A. Evans, KA9KLZ, 213 N
Jefferson St., Cuba City, WI 53807-1558, (608)
744-2704

LOVES PARK, IL

Third Saturday of every month. Northern
Illinois Volunteer Examiners (Great Lakes ARC
VEC). Held at North Suburban District Library,
6340 North Second St. (Hwy. 251), Loves Park,
IL. Contact: Paul K. Dean, WB9HGZ, (815) 987-
6754.

Out of State Exams

Information Provided
by the ARRL/VEC



ALL DATES 1994

NORTHERN ILLINOIS

04/14, Antioch, 708-395-0999, Anthony Viverito
05/12, Antioch, 708-395-0999, Anthony Viverito
06/09, Antioch, 708-395-0999, Anthony Viverito
07/14, Antioch, 708-395-0999, Anthony Viverito
08/11, Antioch, 708-395-0999, Anthony Viverito
09/08, Antioch, 708-395-0999, Anthony Viverito
10/13, Antioch, 708-395-0999, Anthony Viverito
11/10, Antioch, 708-395-0999, Anthony Viverito
12/08, Antioch, 708-395-0999, Anthony Viverito

EASTERN IOWA

05/28, Dubuque, 319-557-9149, Carl E Clark
08/20, Dubuque, 319-557-9149, Carl E Clark
11/19, Dubuque, 319-557-9149, Carl E Clark

UPPER MICHIGAN

04/09, Houghton, 906-337-2542, George R Thurner
07/09, Houghton, 906-337-2542, George R Thurner
10/08, Houghton, 906-337-2542, George R Thurner

MINNESOTA

04/09, N Branch, 612-444-9814, Bradley Fern
04/16, Cottage Grove, 612-459-8678, David Harrell
05/21, Cottage Grove, 612-459-8678, David Harrell
06/11, N Branch, 612-444-9814, Bradley Fern
06/18, Cottage Grove, 612-459-8678, David Harrell
08/13, N Branch, 612-444-9814, Bradley Fern
08/20, Cottage Grove, 612-459-8678, David Harrell
09/17, Cottage Grove, 612-459-8678, David Harrell
10/08, N Branch, 612-444-9814, Bradley Fern
10/15, Cottage Grove, 612-459-8678, David Harrell
11/19, Cottage Grove, 612-459-8678, David Harrell
12/10, N Branch, 612-444-9814, Bradley Fern
12/17, Cottage Grove, 612-459-8678, David Harrell

This section of Badger State Smoke Signals is
available to publicize your Volunteer Examiner
Amateur Radio license examination schedules.
Please send us your schedules of dates, times,
and locations that you will be conducting exami-
nations and we will include the information
here. Be sure to include contact address and any
other necessary requirements. Information should
be sent to K9EN at the address shown on page 2.

Life is like riding a bicycle; you don't
fall off unless you stop pedaling.

Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)

Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959

The March 17, 1994 meeting of the Yellow
Thunder Amateur Radio Club, Inc., was called to
order at 7:35 p.m. by Bob Sauvan, WT9Q.

The minutes of the last meeting, as pub-
lished in the BSSS, were accepted. Jim Decker,
WB9UQT gave the treasurers report.

OLD BUSINESS: Bill Klinkner, N9KXX dis-
cussed the various ideas proposed for ham class-
es to be given either this spring or next fall.
No firm decisions have been made about the
classes. Art Kleefisch, W9WSS indicated that he
did not expect any more information concerning
the meeting rooms at the Baraboo Civic Center
until sometime in May. For the moment, the club
has a confirmed meeting place at the Civic
center through May. Bob Sauvan talked about the
WI QSO Party which several club members partici-
pated in. Jim Decker read a letter from Mrs.
Gordon Grant whose husband was a member in our
club. Mr. Gordon Grant died January 28. Jim
Decker was directed to send Mrs. Grant a sym-
pathy card on behalf of the club.

NEW BUSINESS: Pete Sweeney, W9JIB announced
that there would be tornado spotters and severe
weather identification training for interested
residents of Sauk county. The training would be
held in Reedsburg April 6th at 7:30 p.m. at the
fire station, April 13th at 7:30 p.m. at the
courthouse and in Prairie du Sac at 7:30 p.m. at
the VFW. Bill Klinkner highlighted several
upcoming hamfests including Manitowoc county and
Dane county. Bill also encouraged club members
who used the 88 machine to join CWRA. Last
months Buck night winner was Sandi Hemmer who

was not present. This meeting's winner was Pete
Sweeney who walked away with five bucks from the
club's treasury. The meeting ended at 8:17 p.m.
Following the business meeting, Bill Klinkner
gave a presentation on the weather net. The
presentation on computers in the shack was not
given as it was late.

The next meeting will be held Tuesday April
19, 1994 at 7:30 p.m. at the Baraboo Civic
Center. The program following the business
meeting will be an antenna workshop, including
antennas that can be used for fox hunts.

Sincerely,
Raymond J. Matlosz, N9MLZ, Secretary

The following members and guests were present:

Robert Sauvan	WT9Q	Sauk City
Pete Sweeney	WD9JIB	Reedsburg
George Gabaay	N9QOR	New Lisbon
Steve Schulze	N9UDQ	Baraboo
Bill Klinkner	N9KXX	Sauk City
Duane Grotophorst	KA9HKL	Loganville
Jim Paul	N9LKY	Merrimac
Art Kleefisch	W9WSS	Baraboo
Ken Sampson	pending	Baraboo
Steve Porter		Baraboo
Jim Decker	WB9UQT	Baraboo
Harry Mayland	K9FFT	Baraboo
Jack Kirner	N9LXZ	Prarie du Sac
Ken Johnson	K9DZG	Maxomanie
Thomas Harrison	N9PQJ	Reedsburg
Raymond Matlosz	N9MLZ	Reedsburg



SSB
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RME VHF152A converter for 10, 6, and 2 me-
ters.

Knight TR-106 6 meter transceiver and V-107
VFO.

Drake R4B, T4XB with matching power supply
and speaker. Wm. Martinmaki, W9EOA, (608) 788-
2693.

WANTED: Heath SB-1- Sideband adaptor in
good condition. Wm. Martinmaki, W9EOA, (608)
788-2693.

FOR SALE: Cushcraft A3, triband beam anten-
na, \$85.00.

Alliance HD-73 rotor and cable, \$65.00

Rohn AS25G rotor plate (shelf mounts in 25G
tower, \$12.00.

Rohn BAS25G bearing/accessory shelf sec-
tion. This is the short 1'18" (sic) top for
super heavy duty installations. Has built in
motor plate, bearing mounting plate, and corner
guy lugs, \$55.00.

Nye Viking phone patch (currently wired for
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\$45.00.

Rick Williams, KV9U, 524 Troy Street,
Onalaska, WI 54650, (608) 783-8028.

FOR SALE: Colorful United States Stamps.
100 all different. \$1.00 postpaid. Richard
Regent, K9GDF, 5003 South 26th St., Milwaukee,
WI 53221.

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Visitor: "How did your horse win the race?"

Jockey: "Well, I just kept whispering in
his ear, 'Roses are red

Violets are blue.

Horses that lose

Are made into glue."

-- from the December '93 Indiana County
(PA) "The Sine of the Times" -- Sheldon Davis,
W3FVU, Editor, via ARNS.

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HAMFEST INFO:

Dan Vanevenhoven, N9LV8
2410 E. Newberry Ct.
Appleton, WI 54915
414-739-5101

EXAM INFO:
Larry Siebers, KD9IA
414-788-3823

**Lakeshore Hamfest
& Computer Swapfest**

Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on Cty Highway R

Saturday, May 7, 1994

For more information, call:

Ron, WS9X: 414-793-4733 (Nights)
Red, N9GHE: 414-684-9097

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CWRA SWAPFEST

Sunday, June 12, 1994 • 8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: Art Wysocki, N9BCA
3356 April Lane

715-344-2984
Stevens Point, WI 54481

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Amateur Radio Club
SWAPFEST
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Chippewa Falls Fairgrounds
Carol Ceraso Liz Searing
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**Ozaukee Radio Club
16TH ANNUAL RADIO AND
COMPUTER SWAPFEST**

Saturday, May 7, 1994

8 a.m. to 1 p.m. • Circle B Recreation Center

Intersection of Highway 60 and County I

Exams by Badger Examiners, c/o Gary Sharbuno,

5119 W. Willow Rd., Brown Deer, WI 53223

Swapfest sponsored by Ozaukee Radio Club

W70 N1018 Hampton Court • Cedarburg, WI 53012

**Kettle Moraine Radio Amateurs
SWAPFEST**

Sunday, October 9, 1994

Waukesha County Expo Center

Info: KMRA Swapfest

P.O. Box 411

Waukesha, WI 53187-0411

Northern Wisconsin Radio Club

AUCTION

February 28, 1995 • 7:00 p.m.

American Legion Post 53 • 634 Water Street

Eau Claire, WI

CONTACT:

Steve Hart, KA9OMC
Route 1 Box 54

715-665-2374
Knapp, WI 54749

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